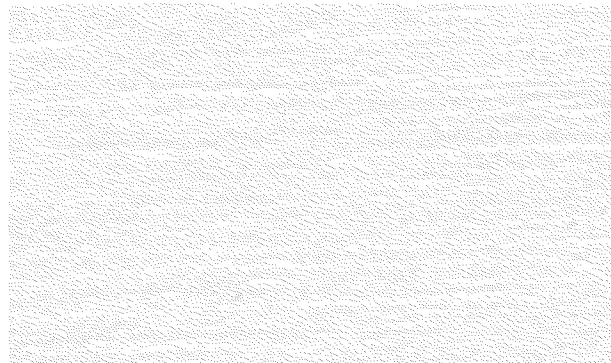


To: May, Brenda[May.Brenda@epa.gov]; Akerman, Gregory[Akerman.Gregory@epa.gov]; Middleton, Karlyn[Middleton.Karlyn@epa.gov]
From: Rowland, Jess
Sent: Thur 5/5/2016 1:46:46 PM
Subject: FW: EPA Mum on Scrubbed Pesticide [Glyphosate] Study



JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Kramer, George
Sent: Thursday, May 05, 2016 8:59 AM
To: Dunbar, Anwar <Dunbar.Anwar@epa.gov>; Schneider, Bernard A. <Schneider.Bernard@epa.gov>; Eiden, Catherine <Eiden.Catherine@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>; Chester Rodriguez [Ex. 6 - Personal Privacy]
Vogel, Dana <Vogel.Dana@epa.gov>; Drew, Danette <Drew.Danette@epa.gov>; Hrdy, David <Hrdy.David@epa.gov>; Wilbur, Donald <Wilbur.Donald@epa.gov>; Dotson, Douglas <Dotson.Douglas@epa.gov>; GF Kramer [Ex. 6 - Personal Privacy] Miller, James S. <Miller.James-S@epa.gov>; Jeff Evans [Ex. 6 - Personal Privacy]
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By David Schultz

May 4 — The Environmental Protection Agency has offered no new details on the publication and subsequent removal earlier this week of a report showing that a widely used pesticide likely does not cause cancer.

Both the chemical industry and environmental activists heavily criticized the EPA's handling of a report on the weed killer glyphosate from its Cancer Assessment Review Committee.

The incident has even garnered the attention of Rep. Lamar Smith (R-Texas), chairman of the House Science Committee, who said it “raises questions about the agency's motivations in providing a fair assessment of glyphosate” and “may shed light on larger systemic problems occurring at the agency,” in a May 4 letter to EPA Administrator Gina McCarthy.

Smith is asking McCarthy to turn over to his committee all of its internal documents relating to the cancer report by May 18.

Will Not Elaborate

Despite this, the EPA has not elaborated on what happened, beyond stating that the report was posted online inadvertently and taken down because “our assessment is not final,” according to the agency's press secretary, Melissa Harrison.

The title page and every subsequent page of the cancer committee's report are marked with the word “FINAL.”

Harrison and her colleagues in the EPA's press office did not respond to queries from Bloomberg BNA seeking clarification on this.

Harrison did say in an e-mail to Bloomberg BNA that her agency had received Smith's letter and that it "will respond accordingly."

Final?

Before the EPA took the report offline, it spread on social media after being first reported on by Bloomberg BNA (85 DEN A-4, 5/3/16).

The EPA report contradicted an earlier finding from the World Health Organization's International Agency for Research on Cancer, or IARC, that declared glyphosate to be a "probable carcinogen" (59 DEN A-10, 3/27/15).

Monsanto, NRDC Agree

Monsanto, which developed glyphosate in the 1970s and still considers the chemical one of its crown jewels, is moving forward under the assumption that this report is complete.

"This was clearly labeled and signed as the final report," company spokeswoman Christi Dixon told Bloomberg BNA in an e-mail. "Further peer review ... would be unnecessary."

Jennifer Sass, a senior scientist at the Natural Resources Defense Council, which has been working for years to curtail pesticide usage, said she agreed with Monsanto on this point.

"I've read a lot of [cancer review committee] reports and they all look like that," she told Bloomberg BNA. "That was a final cancer report."

WHO Meeting

The inadvertent release of the report comes at a crucial time for glyphosate.

On May 9, the WHO and the UN are kicking off a joint meeting to discuss the safety of glyphosate residues on food products. This group meets regularly to analyze scientific data and determine what levels of pesticide residue should be allowed on foods involved in international trade.

However, the May 9 meeting in Geneva is a special meeting of this group dedicated specifically toward looking at glyphosate and two other pesticides classified by IARC in 2015 as carcinogenic.

That re-classification set off a wave of reactions against glyphosate in the U.S. and abroad, from state-level regulatory actions to product liability lawsuits against Monsanto from people who believe glyphosate caused their cancers.

The EPA's cancer review committee found that IARC reviewers had disregarded several studies on glyphosate that showed no results, which skewed their ultimate conclusion. IARC did not respond to an e-mail from Bloomberg BNA.

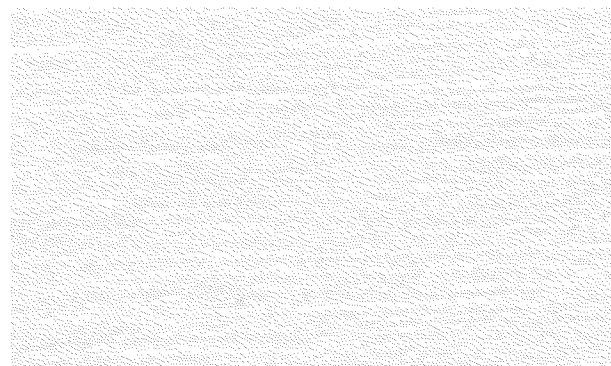
It's unclear what impact the report will have on the May 9 meeting—or even if the WHO/UN panelists who will be weighing the data on glyphosate have seen it and have access to it. Members of the WHO/UN panel meeting in Geneva next week did not respond to e-mails and phone calls from Bloomberg BNA.

For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

A copy of Rep. Lamar Smith's letter to EPA administrator Gina McCarthy is available at <http://src.bna.com/eHd>.

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Perron, Monique
Sent: Tue 5/3/2016 3:00:43 PM
Subject: FW: EPA Panel Finds Glyphosate Not Likely to Cause Cancer



I guess 4 documents were released “inadvertently” for this chemical.

From: Kramer, George
Sent: Tuesday, May 03, 2016 9:54 AM
To: Dunbar, Anwar <Dunbar.Anwar@epa.gov>; Schneider, Bernard A. <Schneider.Bernard@epa.gov>; Eiden, Catherine <Eiden.Catherine@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>; Chester Rodriguez [Ex. 6 - Personal Privacy]
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For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

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The IARC did not immediately respond to requests from Bloomberg BNA for comment.

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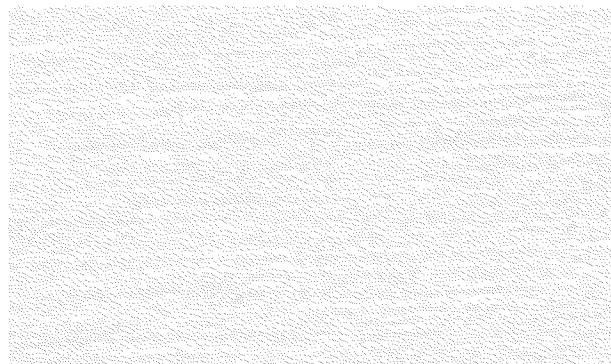
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To: Rowland, Jess[Rowland.Jess@epa.gov]; Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Shah, Pv
Sent: Tue 5/3/2016 2:46:11 PM
Subject: FW: EPA Panel Finds Glyphosate Not Likely to Cause Cancer



P. V. Shah, Ph.D
Chief, Chemistry, Inerts and Toxicology Assessment Branch (CITAB)
Registration Division
Office of Pesticides Programs, US EPA
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Washington, DC 20460 (USA)
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Fax: 703-605-0781
Shah.Pv@epa.gov

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From: Kramer, George
Sent: Tuesday, May 03, 2016 9:54 AM
To: Dunbar, Anwar <Dunbar.Anwar@epa.gov>; Schneider, Bernard A. <Schneider.Bernard@epa.gov>; Eiden, Catherine <Eiden.Catherine@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>; Chester Rodriguez [Ex. 6 - Personal Privacy]
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To: Rowland, Jess[Rowland.Jess@epa.gov]; Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Middleton, Karlyn
Sent: Tue 5/3/2016 2:07:20 PM
Subject: RE: EPA Panel Finds Glyphosate Not Likely to Cause Cancer

Lol..

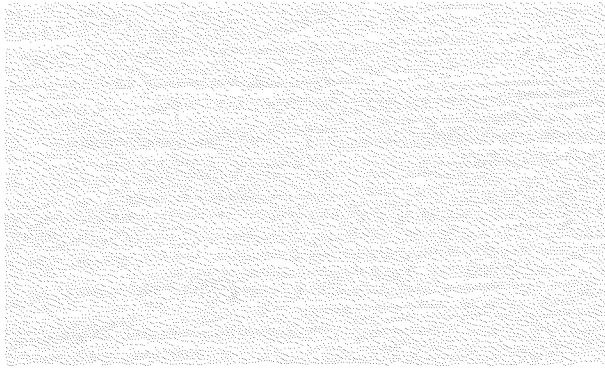
From: Rowland, Jess
Sent: Tuesday, May 03, 2016 10:01 AM
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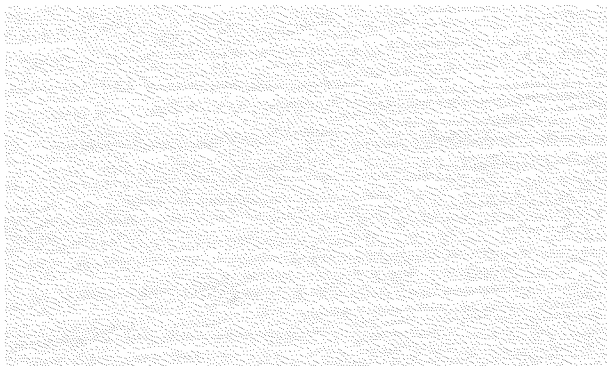
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"Miller, James S." <Miller.James-S@epa.gov>, "Rowland, Jess" <Rowland.Jess@epa.gov>, "Kidwell, Jessica" <kidwell.jessica@epa.gov>, "Redden, John" <Redden.John@epa.gov>, "VanAlstine, Julie" <VanAlstine.Julie@epa.gov>, Karen Whitby <Ex. 6 - Personal Privacy>
"Martin, Kathleen" <Martin.Kathleen@epa.gov>, "Schumacher, Kelly" <Schumacher.Kelly@epa.gov>, Linda Kutney <Ex. 6 - Personal Privacy>
"Austin, Lisa" <Austin.Lisa@epa.gov>, "Dow, Mark" <Dow.Mark@epa.gov>, "Clock-Rust, Mary" <Clock-Rust.Mary@epa.gov>, "Doherty, Michael" <Doherty.Michael@epa.gov>, "Perron, Monique" <Perron.Monique@epa.gov>, "Villanueva, Philip" <Villanueva.Philip@epa.gov>, "Shah, Pv" <Shah.Pv@epa.gov>, Richard Loranger <Ex. 6 - Personal Privacy>
"Levy, Sarah" <Levy.Sarah@epa.gov>, "Sheila Healy" <Ex. 6 - Personal Privacy>
"Knizner, Steve" <Knizner.Steve@epa.gov>, "Morton, Thurston" <Morton.Thurston@epa.gov>, "Wassell, William" <Wassell.William@epa.gov>, "Gallagher, Sarah" <Gallagher.Sarah@epa.gov>
Subject: EPA Panel Finds Glyphosate Not Likely to Cause Cancer



By David Schultz

May 2 — Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an Environmental Protection Agency review panel.

The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that the pesticide is a “probable carcinogen” (59 DEN A-10, 3/27/15).

WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15).

The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

Monsanto Statement

“No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact,” Monsanto CEO Hugh Grant said in a statement. “Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool.”

The IARC did not immediately respond to requests from Bloomberg BNA for comment.

The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years.

If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

Report Posted April 29

The EPA posted the cancer review committee's report April 29, along with more than a dozen other glyphosate-related documents, to [Regulations.gov](https://www.regulations.gov), an online document repository for federal agencies.

Then, after the report had been widely spread on social media, the cancer review committee's report and the other documents were removed from the EPA website on the afternoon of May 2.

"Preliminary glyphosate documents were inadvertently posted to the Agency's docket," EPA spokeswoman Melissa Harrison told Bloomberg BNA via e-mail. "These documents have now been taken down because our assessment is not final."

Label Changes?

Some of the other documents the EPA briefly made public pertained to two meetings pesticide regulators held with Monsanto representatives in the year after the IARC review was published.

A slide presentation made at one of these meetings by Monsanto representatives indicated the company may be willing to make voluntary changes to the labels of its glyphosate products to address concerns that they're harming the habitats of certain pollinating insects, including the monarch butterfly.

This document, along with summaries of the discussions during the company's two meetings with EPA pesticide regulators, were among those removed from [Regulations.gov](https://www.regulations.gov).

To contact the reporter on this story: David Schultz in Washington at dschultz@bna.com

To contact the editor responsible for this story: Larry Pearl at lpearl@bna.com

For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

A brief summary of EPA's meeting March 30, 2015, with Monsanto representatives is available at <http://src.bna.com/eBJ>.

A brief summary of EPA's meeting June 4, 2015, with Monsanto representatives is available at <http://src.bna.com/eBL>.

A copy of the slide presentation Monsanto representatives made for EPA pesticide regulators last year is available at <http://src.bna.com/eBx>.

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Shah, Pv
Sent: Wed 4/13/2016 9:01:16 PM
Subject: RE: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

Thanks

pv

P. V. Shah, Ph.D
Chief, Chemistry, Inerts and Toxicology Assessment Branch (CITAB)
Registration Division
Office of Pesticides Programs, US EPA
1200 Pennsylvania Ave., NW
Washington, DC 20460 (USA)
Phone: 703-308-1846
Fax: 703-605-0781
Shah.Pv@epa.gov

For FED EX and UPS Deliveries: One Potomac Yard (South Building), 2777 Crystal Drive (Room S-7751), Arlington, VA 22202

From: Akerman, Gregory
Sent: Wednesday, April 13, 2016 4:56 PM
To: Shah, Pv <Shah.Pv@epa.gov>
Subject: RE: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

From: Shah, Pv

Sent: Wednesday, April 13, 2016 4:21 PM
To: Akerman, Gregory <Akerman.Gregory@epa.gov>
Subject: RE: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

Thanks

PV

P. V. Shah, Ph.D
Chief, Chemistry, Inerts and Toxicology Assessment Branch (CITAB)
Registration Division
Office of Pesticides Programs, US EPA
1200 Pennsylvania Ave., NW
Washington, DC 20460 (USA)
Phone: 703-308-1846
Fax: 703-605-0781
Shah.Pv@epa.gov

For FED EX and UPS Deliveries: One Potomac Yard (South Building), 2777 Crystal Drive (Room S-7751), Arlington, VA 22202

From: Akerman, Gregory
Sent: Wednesday, April 13, 2016 4:11 PM
To: Shah, Pv <Shah.Pv@epa.gov>
Subject: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

Greg

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Shah, Pv
Sent: Wed 4/13/2016 8:20:44 PM
Subject: RE: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

Thanks

PV

P. V. Shah, Ph.D
Chief, Chemistry, Inerts and Toxicology Assessment Branch (CITAB)
Registration Division
Office of Pesticides Programs, US EPA
1200 Pennsylvania Ave., NW
Washington, DC 20460 (USA)
Phone: 703-308-1846
Fax: 703-605-0781
Shah.Pv@epa.gov

For FED EX and UPS Deliveries: One Potomac Yard (South Building), 2777 Crystal Drive (Room S-7751), Arlington, VA 22202

From: Akerman, Gregory
Sent: Wednesday, April 13, 2016 4:11 PM
To: Shah, Pv <Shah.Pv@epa.gov>
Subject: Glyphosate cancer for monograph 4 10 16 ga

Ex. 5 - Deliberative Process

Greg

To: Vogel, Dana[Vogel.Dana@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Akerman, Gregory[Akerman.Gregory@epa.gov]; Dunbar, Anwar[Dunbar.Anwar@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]
From: Smith, Charles
Sent: Mon 2/29/2016 4:22:27 PM
Subject: Glyphosate Schedule

Distilling the whiteboard...any additions or disagreements please let me know.

Glyphosate Plan

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Rowland, Jess
Sent: Wed 12/9/2015 2:27:20 PM
Subject: Fwd: Glyphosate- Response to JJ's Questions
Glyphosate Response to JJ Questions JR 12 3 15 WJ.docx
ATT00001.htm

Sent from my iPhone

Begin forwarded message:

From: "Jordan, William" <Jordan.William@epa.gov>
Date: December 9, 2015 at 8:56:50 AM EST
To: "Rowland, Jess" <Rowland.Jess@epa.gov>, "Housenger, Jack" <Housenger.Jack@epa.gov>, "Vogel, Dana" <Vogel.Dana@epa.gov>
Subject: RE: Glyphosate- Response to JJ's Questions

Jess –

Ex. 5 - Deliberative Process

Thanks,

Bill

William Jordan

Deputy Director, Programs

Office of Pesticide Programs

U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

Mailing Address:

Courier Address:

USEPA Headquarters

Potomac Yards South

Clinton Building

2777 Crystal Drive

1200 Pennsylvania Ave., NW

Room 12-235

Mail Code (7501P)

Arlington, VA

Washington, DC 20460

From: Rowland, Jess

Sent: Thursday, December 03, 2015 3:01 PM

To: Housenger, Jack <Housenger.Jack@epa.gov>; Jordan, William
<Jordan.William@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>

Subject: Glyphosate- Response to JJ's Questions

Importance: High

HI JJD

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Rowland, Jess
Sent: Mon 9/28/2015 6:12:29 PM
Subject: FW: CARC edits
Glyphosate CARC Final 9.21.15 cw2.docx

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wood, Charles
Sent: Thursday, September 24, 2015 5:17 PM
To: Rowland, Jess
Subject: CARC edits

Hi Jess,

Ex. 5 - Deliberative Process

--Charles

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Rowland, Jess
Sent: Fri 9/25/2015 2:13:45 PM
Subject: FW: CARC edits
[Glyphosate CARC Final 9.21.15_cw2.docx](#)

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wood, Charles
Sent: Thursday, September 24, 2015 5:17 PM
To: Rowland, Jess
Subject: CARC edits

Hi Jess,

Ex. 5 - Deliberative Process

--Charles

To: Akerman, Gregory[Akerman.Gregory@epa.gov]
From: Rowland, Jess
Sent: Mon 9/21/2015 12:35:37 PM
Subject: FW: Glypho
Glyphosate CARC DRAFT 9 9 15 JR_cw2.docx

pl

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wood, Charles
Sent: Sunday, September 20, 2015 10:39 PM
To: Rowland, Jess
Subject: Re: Glypho

Hi Jess,

Ex. 5 - Deliberative Process

--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 5:52 PM
To: Wood, Charles
Subject: RE: Glypho

Thanks Charles.

Sent from my Windows Phone

From: Wood, Charles
Sent: 9/18/2015 5:38 PM
To: Rowland, Jess
Subject: Re: Glypho

Hi Jess,

Sorry for late reply -- was out of office today. I will get something to you by late Sun.

--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 7:43 AM
To: Wood, Charles
Subject: Glypho

Hi Charles

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division

703-308-2719

To: Shah, Pv[Shah.Pv@epa.gov]
From: Akerman, Gregory
Sent: Mon 4/25/2016 3:15:18 PM
Subject: Glyphosate cancer for monograph final 416 16 DAE GA
Glyphosate cancer for monograph final 416 16 DAE GA.docx

Ex. 5 - Deliberative Process

G

To: Shah, Pv[Shah.Pv@epa.gov]
From: Akerman, Gregory
Sent: Thur 4/14/2016 5:29:37 PM
Subject: Glyphosate cancer for monograph 4 10 16 ga for PV
Glyphosate cancer for monograph 4 10 16 ga for PV.docx

Ex. 5 - Deliberative Process

G

To: Shah, Pv[Shah.Pv@epa.gov]
From: Akerman, Gregory
Sent: Wed 4/13/2016 8:10:50 PM
Subject: Glyphosate cancer for monograph 4 10 16 ga
[Glyphosate cancer for monograph 4 10 16 ga.docx](#)

Ex. 5 - Deliberative Process

Greg

To: Shah, Pv[Shah.Pv@epa.gov]
From: Akerman, Gregory
Sent: Tue 4/12/2016 1:06:45 PM
Subject: gly doc
[Glyphosate cancer for monograph 4 10 16 ga.docx](#)

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Akerman, Gregory
Sent: Sat 9/26/2015 6:56:33 PM
Subject: muta language---new version

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Akerman, Gregory
Sent: Sat 9/26/2015 6:49:13 PM
Subject: muta language

JR—See if this is what you had in mind. I can modify it based on your comments/suggestions.
It is something to work from at least.

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Akerman, Gregory
Sent: Fri 9/25/2015 10:14:13 AM
Subject: RE: Glyphosate CARC Final Draft EDITS 9.24.15

I am working today.

From: Rowland, Jess
Sent: Thursday, September 24, 2015 4:41 PM
To: Akerman, Gregory
Subject: RE: Glyphosate CARC Final Draft EDITS 9.24.15

Thanks. Will review tomorrow. R u off or working

Sent from my Windows Phone

From: Akerman, Gregory
Sent: 9/24/2015 2:53 PM
To: Rowland, Jess
Subject: Glyphosate CARC Final Draft EDITS 9.24.15

JR-

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process



To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Akerman, Gregory
Sent: Thur 9/24/2015 6:53:25 PM
Subject: Glyphosate CARC Final Draft EDITS 9.24.15
[Glyphosate CARC Final Draft EDITS 9.24.15.docx](#)

JR-

Ex. 5 - Deliberative Process



To: Kidwell, Jessica[kidwell.jessica@epa.gov]
From: Akerman, Gregory
Sent: Mon 9/21/2015 4:47:59 PM
Subject: RE: Glyphosate- Classification Narrative

I should have yellow highlighted my changes as well... I had to look up the word missingness....apparently that is a term used in epi (but not the way Jess spelled it haha).

From: Kidwell, Jessica
Sent: Monday, September 21, 2015 12:46 PM
To: Chen, Jonathan; Rowland, Jess; OPP HED CARC; Lobdell, Danelle
Subject: RE: Glyphosate- Classification Narrative

Ex. 5 - Deliberative Process

From: Chen, Jonathan
Sent: Monday, September 21, 2015 12:33 PM
To: Rowland, Jess; OPP HED CARC; Lobdell, Danelle
Subject: RE: Glyphosate- Classification Narrative

Dear Jess:

It is good.

Jonathan Chen

From: Rowland, Jess
Sent: Monday, September 21, 2015 12:24 PM
To: OPP HED CARC; Lobdell, Danelle
Subject: Glyphosate- Classification Narrative
Importance: High

Hello CARCeers

Here is the narrative that will go into the CARC document.

I want to get this out for your comments since this “blurb” has to go into the risk assessment document which is due before the Pope get it !!!

So, u know what that means.....I need your comments by COB. It is not long...so u should make it !!

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED CARC[OPP_HED_CARC@epa.gov]; Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Akerman, Gregory
Sent: Mon 9/21/2015 4:43:59 PM
Subject: RE: Glyphosate- Classification Narrative

My recommended edits.

Greg

From: Rowland, Jess
Sent: Monday, September 21, 2015 12:24 PM
To: OPP HED CARC; Lobdell, Danelle
Subject: Glyphosate- Classification Narrative
Importance: High

Hello CARCeers

Here is the narrative that will go into the CARC document.

I want to get this out for your comments since this “blurb” has to go into the risk assessment document which is due before the Pope get it !!!

So, u know what that means.....I need your comments by COB. It is not long...so u should make it !!

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division

Ex. 5 - Deliberative Process

To: Nguyen, Khue[Nguyen.Khue@epa.gov]
Cc: Rowland, Jess[Rowland.Jess@epa.gov]
From: Akerman, Gregory
Sent: Tue 9/15/2015 10:46:19 AM
Subject: RE: request for glyphosate beans

Thanks Khue!

From: Nguyen, Khue
Sent: Monday, September 14, 2015 4:48 PM
To: Akerman, Gregory
Subject: RE: request for glyphosate beans

I have beaned these studies in DP429114. I will drop off the bean in HED today to be logged in.

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Akerman, Gregory
Sent: Monday, September 14, 2015 2:42 PM
To: Nguyen, Khue
Subject: request for glyphosate beans

Hi Khue,

Ex. 5 - Deliberative Process

Regards,

Greg

Gregory Akerman, Ph.D.

Office of Pesticide Programs, U.S. EPA

Health Effects Division
1200 Pennsylvania Avenue, NW (7509P)
Washington, DC 20460
phone: (703) 305-0116

e-mail: akerman.gregory@epa.gov

To:

Ex. 6 - Personal Privacy

From: Akerman, Gregory

Sent: Thur 7/30/2015 4:20:19 PM

Subject: files for gly carc

glyphosate review g willams et al. 2000.pdf

Greim et al glyphosate cancer studies 2015.pdf

Kier and Kirkland 2013 Review of Gentox studies with glyphosate and formulations Crit Rev Tox.pdf

From: Cyran, Carissa
Location: DCRoomPYS9100/Potomac-Yard-One
Importance: Normal
Subject: Discuss glyphosate registration review schedule and monarchs
Start Date/Time: Mon 3/30/2015 6:30:00 PM
End Date/Time: Mon 3/30/2015 7:00:00 PM

Hello,

Monsanto has requested a brief meeting to discuss the registration review schedule as well as monarchs. Their monarch expert is expected to be in attendance. Agenda to follow shortly.

Conference call information:

Dial-in: Ex. 6 - Personal Privacy
Conference code: Ex. 6 - Personal Privacy

Thank you,

Carissa

From: Cyran, Carissa
Location: DCRoomPYS9100/Potomac-Yard-One
Importance: Normal
Subject: Breast Milk Discussion with Monsanto
Start Date/Time: Mon 3/30/2015 7:00:00 PM
End Date/Time: Mon 3/30/2015 8:00:00 PM

Hello,

Monsanto has requested a meeting to discuss their method for the detection of glyphosate in milk and to seek the agency's feedback.

Call-in Information

Dial-in: Ex. 6 - Personal Privacy

Conference code: Ex. 6 - Personal Privacy

Thank you,

Carissa

From: Cyran, Carissa
Location: DCRoomPYS9621/Potomac-Yard-One
Importance: High
Subject: Canceled: Breast Milk Discussion with Monsanto
Start Date/Time: Thur 3/5/2015 6:00:00 PM
End Date/Time: Thur 3/5/2015 7:00:00 PM

Hello,

Monsanto has requested a meeting to discuss their method for the detection of glyphosate in milk and to seek the agency's feedback. Monsanto will provide their method no later than next Thursday, February 19th.

Call-in Information

Dial-in: Ex. 6 - Personal Privacy
Conference code: Ex. 6 - Personal Privacy

Thank you,

Carissa

To: Goodis, Michael[Goodis.Michael@epa.gov]
Cc: Anderson, Neil[Anderson.Neil@epa.gov]; Moriarty, Thomas[Moriarty.Thomas@epa.gov]
From: Nguyen, Khue
Sent: Thur 10/22/2015 4:34:48 PM
Subject: RE: Glyphosate
JJ Brief Glyphosate JR 10 19 15.pptx

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Goodis, Michael

Sent: Thursday, October 22, 2015 11:23 AM

To: Nguyen, Khue <Nguyen.Khue@epa.gov>

Cc: Anderson, Neil <Anderson.Neil@epa.gov>

Subject: Glyphosate

Khue

Ex. 5 - Deliberative Process

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

goodis.michael@epa.gov

To: Housenger, Jack[Housenger.Jack@epa.gov]; Goodis, Michael[Goodis.Michael@epa.gov]
Cc: Jordan, William[Jordan.William@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]; Nguyen, Khue[Nguyen.Khue@epa.gov]
From: Anderson, Neil
Sent: Thur 11/12/2015 1:16:15 PM
Subject: RE: EFSA - Glyphosate

Ex. 5 - Deliberative Process

below.

Tox table from draft assessment pasted in

Ex. 5 - Deliberative Process

From: Housenger, Jack
Sent: Thursday, November 12, 2015 7:31 AM

To: Goodis, Michael <Goodis.Michael@epa.gov>
Cc: Jordan, William <Jordan.William@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Anderson, Neil <Anderson.Neil@epa.gov>
Subject: Re: EFSA - Glyphosate

How does the new apad compare with ours?

Sent from my iPhone

On Nov 12, 2015, at 7:28 AM, Goodis, Michael <Goodis.Michael@epa.gov> wrote:

FYI...EFSA released its assessment of glyphosate in which it concluded that glyphosate is unlikely to pose a carcinogenic hazard to humans. The links are below.

EFSA and the EU Member States have finalised the re-assessment of glyphosate, a chemical that is used widely in pesticides. The report concludes that glyphosate is unlikely to pose a carcinogenic hazard to humans and proposes a new safety measure that will tighten the control of glyphosate residues in food. The conclusion will be used by the European Commission in deciding whether or not to keep glyphosate on the EU list of approved active substances, and by EU Member States to re-assess the safety of pesticide products containing glyphosate that are used in their territories.

A peer review expert group made up of EFSA scientists and representatives from risk assessment bodies in EU Member States has set an acute reference dose (ARfD) for glyphosate of 0.5 mg per kg of body weight, the first time such an exposure threshold has been applied to the substance.

Jose Tarazona, head of EFSA's Pesticides Unit, said: "This has been an exhaustive process – a full assessment that has taken into account a wealth of new studies and data. By introducing an acute reference dose we are further tightening the way potential risks from glyphosate will be assessed in the future. Regarding carcinogenicity, it is unlikely that this substance is carcinogenic."

Unlikely to be carcinogenic

The peer review group concluded that glyphosate is unlikely to be genotoxic (i.e. damaging to DNA) or to pose a carcinogenic threat to humans. Glyphosate is not proposed to be classified as carcinogenic under the EU regulation for classification, labelling and packaging of chemical substances. In particular, all the Member State experts but one agreed that neither the epidemiological data (i.e. on humans) nor the evidence from animal studies demonstrated causality between exposure to glyphosate and the development of cancer in humans.

EFSA also considered, at the request of the European Commission, the report published by the International Agency for Research on Cancer (IARC), which classified glyphosate as probably carcinogenic to humans.

The evaluation considered a large body of evidence, including a number of studies not assessed by the IARC which is one of the reasons for reaching different conclusions.

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

goodis.michael@epa.gov

From: TARAZONA Jose [<mailto:Jose.TARAZONA@efsa.europa.eu>]

Sent: Thursday, November 12, 2015 6:02 AM

To: Goodis, Michael <Goodis.Michael@epa.gov>

Subject: Glyphosate

Dear Michael,

We have published the conclusion and the communication material.

I send you the links.

Kind regards,

Jose

News: <http://www.efsa.europa.eu/en/press/news/151112>

Summary: <http://www.efsa.europa.eu/en/corporate/pub/glyphosate151112>

Conclusion: <http://www.efsa.europa.eu/en/efsajournal/pub/4302>

Complementary document:

http://www.efsa.europa.eu/sites/default/files/4302_glyphosate_complementary.pdf

To: Nguyen, Khue[Nguyen.Khue@epa.gov]; Moriarty, Thomas[Moriarty.Thomas@epa.gov]
From: Anderson, Neil
Sent: Fri 7/17/2015 1:50:15 PM
Subject: RE: Updating the Access Database

Thanks Khue.

Ex. 5 - Deliberative Process

From: Nguyen, Khue
Sent: Thursday, July 16, 2015 4:54 PM
To: Anderson, Neil; Moriarty, Thomas
Subject: RE: Updating the Access Database

Neil and Tom,

Ex. 5 - Deliberative Process

Diazinon: EFED told me that their PRA won't be ready for publication until October, which

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Anderson, Neil

Sent: Thursday, July 16, 2015 4:13 PM

To: Moriarty, Thomas

Cc: Ballard, Kelly; Parker, James; Jones, Ricardo; Newcamp, Caitlin; Nguyen, Khue; Motilall, Christina

Subject: RE: Updating the Access Database

Tom – thanks for pulling this together and highlighting the various items for folks to confirm.

Everyone Else – please let Tom and I know how you have addressed the various issues below and what notes/changes you have made in the Access d-base. It's ok if you are still waiting for confirmation from team members on some items, we just want to be aware of progress being made.

Thanks,

Neil

From: Moriarty, Thomas

Sent: Tuesday, July 14, 2015 3:46 PM

To: Anderson, Neil

Cc: Ballard, Kelly; Parker, James; Jones, Ricardo; Christina Motilall; Newcamp, Caitlin; Nguyen, Khue

Subject: Updating the Access Database

Neil,

All, below are the needed updates for our Q4 PRAs. Please let me/Neil know when these changes/updates have been completed.

Chemical **Updating**

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Birchfield, Norman[Birchfield.Norman@epa.gov]
From: Gibbons, Catherine
Sent: Mon 11/23/2015 5:02:51 PM
Subject: RE: more on glyphosate

Oh great, thank you Norm! Nope, I did not end up looking at it in my “spare time” ☺ Just update me whenever you can, I appreciate it. I could put a little bit of time into it next weekend. Thank you and have a wonderful holiday!

From: Birchfield, Norman
Sent: Monday, November 23, 2015 8:11 AM
To: Gibbons, Catherine <Gibbons.Catherine@epa.gov>
Subject: RE: more on glyphosate

Ex. 5 - Deliberative Process

From: Gibbons, Catherine
Sent: Friday, November 20, 2015 12:40 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>
Subject: RE: more on glyphosate

Ex. 5 - Deliberative Process

Thanks!

Catherine

From: Birchfield, Norman
Sent: Thursday, November 19, 2015 9:03 AM
To: Gibbons, Catherine <Gibbons.Catherine@epa.gov>
Subject: FW: more on glyphosate

Ex. 5 - Deliberative Process

Norman Birchfield, Ph.D. / National Center for Environmental Assessment / U.S. Environmental Protection Agency / phone: (703) 347-0174

From: Cogliano, Vincent
Sent: Wednesday, November 18, 2015 10:37 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>
Cc: White, Paul <White.Paul@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>
Subject: Re: more on glyphosate

Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <Birchfield.Norman@epa.gov> wrote:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: White, Paul

Sent: Wednesday, November 18, 2015 12:37 PM

To: Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>

Subject: RE: summary of glyphosate animal studies

Ex. 5 - Deliberative Process

Paul

From: Birchfield, Norman

Sent: Wednesday, November 18, 2015 12:21 PM

To: Cogliano, Vincent; Flowers, Lynn; White, Paul

Subject: summary of glyphosate animal studies

Hi

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I haven't looked at the IARC report yet.

Summary of animal studies shown in CARC report.

Study author (date)	Strain	Doses (matrix)	Duration	Tumors (sex)	D/R	OPP conclusion
Rats						
Lankas (1981)	SD	0, 30, 100, 300 ppm (diet)	26 months	Testes (male)	0, 6, 2, 12%	Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.
				Pancreas (male)	0, 5, 2, 2 (adenoma)	
					0,0,0,1 (carcinoma)	
Stout (1990)	SD	0, 2000, 8000, 20000 ppm	24 months	Pancreas (male)	2,18,10,15% (adenoma)	Not treatment related: lack of significance in trend test,

		(diet)			<p>lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence.</p> <p>Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1%</p> <p>Liver (male) 5,4,6,15% Not treatment related: not (adenoma) significant pairwise, within historical ranges, only one 7,4,2,4% mid-range preneoplastic (carcinoma) issue, no carcinomas.</p> <p>Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%</p> <p>Thyroid (female) 4,7,10,11% Not treatment related: not (adenoma) significant pairwise (trend was significant), no 0,0,2,0% carcinomas, no d/r in (carcinoma) severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10%</p> <p>Thyroid (male) 4,7,14,12% Not treatment related: not (adenoma) significant pairwise or trend, no carcinomas, no d/r in 0,2,0,1% severity, grade or incidence (carcinoma) of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%</p>
Atkinson (1993)	SD	0,10,100,300,1000 mg/kg/day (diet)	0,0,0,0,0 months	None.	n/a
		[comparable doses to Stout 1990]		Salivary gland wt increased. Changes in mandibular and parotid glands.	
Brammer (2001)	Wistar	0,2000,6000,20000 ppm (diet)	0,0,0,0,0 months	Liver (male) 0,4,0,10%	Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within

						historical ranges (0-11.5%, 26 studies).
Feinchemie (1996)	Wistar	0,100,1000,10000	24 months	No statistically significant.	Not provided	
[cited in Greim 2015]						
Arysta Life Sciences (1997a)	SD	0,3000,10000,30000	24 months	No statistically significant.	Not provided	High dose exceeds limit dose.
[cited in Greim 2015]						
Nufarm (2009a)	Wistar	0,1500,5000,15000	24 months	No statistically significant.	Not provided	High dose exceeds the limit dose,
[cited in Greim 2015]						
Mice						
Knezevich (1983)	CD-1	0,1000,5000,30000	24 months	Renal (male)	1,0,0,1% (adenoma) 0,0,1,2% (carcinoma)	PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions were absent. OPP concluded the results were equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%
Atkinson (1993)	CD-1	0,100,300,1000	24 months	Hemangio-sarcoma (male)	0,0,0,9% (hemangio-sarcome)	Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, "the

Knezevich
high dose]

incidences was near or the same as the upper limit (0-8%) for the performing laboratory,” the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.

Arysta Life Sciences (1997) [cited in Greim 2015] ICR- CD-1 0,1600,8000,40000 ppm (diet) 30 months No statistically significant. Not provided

Nufarm (2009b) [cited in Greim 2015] CD-1 0,500,1500,5000 ppm (diet) 8 months Lung adeno-10,10,14,22% Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,
Malignant lymphoma 0,2,4,10% Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.

To: Birchfield, Norman[Birchfield.Norman@epa.gov]
From: Gibbons, Catherine
Sent: Fri 11/20/2015 5:39:51 PM
Subject: RE: more on glyphosate

Ex. 5 - Deliberative Process

Thanks!

Catherine

From: Birchfield, Norman
Sent: Thursday, November 19, 2015 9:03 AM
To: Gibbons, Catherine <Gibbons.Catherine@epa.gov>
Subject: FW: more on glyphosate

Ex. 5 - Deliberative Process

Norman Birchfield, Ph.D. / National Center for Environmental Assessment / U.S. Environmental Protection Agency / phone: (703) 347-0174

From: Cogliano, Vincent
Sent: Wednesday, November 18, 2015 10:37 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>

Cc: White, Paul <White.Paul@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>
Subject: Re: more on glyphosate

Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <Birchfield.Norman@epa.gov> wrote:

Ex. 5 - Deliberative Process

From: White, Paul
Sent: Wednesday, November 18, 2015 12:37 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>
Subject: RE: summary of glyphosate animal studies

Ex. 5 - Deliberative Process

Paul

From: Birchfield, Norman
Sent: Wednesday, November 18, 2015 12:21 PM
To: Cogliano, Vincent; Flowers, Lynn; White, Paul
Subject: summary of glyphosate animal studies

Hi

Ex. 5 - Deliberative Process

Study author (date)	Strain	Doses (matrix)	Duration	Tumors (sex)	D/R	OPP conclusion
Rats						
Lankas (1981)	SD	0, 30, 100, 300 ppm (diet)	26 months	Testes (male)	0, 6, 2, 12%	Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.
				Pancreas (male)	0, 5, 2, 2 (adenoma) 0,0,0,1 (carcinoma)	
Stout (1990)	SD	0, 2000, 8000, 20000 ppm (diet)	24 months	Pancreas (male)	2,18,10,15% (adenoma) 2,0,0,0,0% (carcinoma)	Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1%
				Liver (male)	5,4,6,15% (adenoma) 7,4,2,4% (carcinoma)	Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%
				Thyroid (female)	4,7,10,11% (adenoma) 0,0,2,0% (carcinoma)	Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10%
				Thyroid (male)	4,7,14,12% (adenoma)	Not treatment related: not significant pairwise or trend,

						no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%
Atkinson (1993)	SD	0,10,100,300,1000 mg/kg/day (diet)	240 months	None. Salivary gland wt increased. Changes in mandibular and parotid glands.	n/a	
		[comparable doses to Stout 1990]				
Brammer (2001)	Wistar	0,2000,6000,20000 ppm (diet)	240 months	Liver (male)	0,4,0,10%	Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).
Feinchemie (1996)	Wistar	0,100,1000,10000 ppm (diet)	240 months	No statistically significant.	Not provided	
[cited in Greim 2015]						
Arysta Life Sciences (1997a)	SD	0,3000,10000,30000 ppm (diet)	2400 months	No statistically significant.	Not provided	High dose exceeds limit dose.
[cited in Greim 2015]						
Nufarm (2009a)	Wistar	0,1500,5000,15000 ppm (diet)	240 months	No statistically significant.	Not provided	High dose exceeds the limit dose,
[cited in Greim 2015]						
Mice						
Knezevich (1983)	CD-1	0,1000,5000,30000 ppm (diet)	240 months	Renal (male)	1,0,0,1% (adenoma)	PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions were absent. OPP
					0,0,1,2% (carcinoma)	

					concluded the results were equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%
Atkinson (1993)	CD-1	0,100,300,1000	24 months	Hemangio-sarcoma (male)	0,0,0,9% (hemangio-sarcoma) Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, "the incidences was near or the same as the upper limit (0-8%) for the performing laboratory," the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.
Arysta Life Sciences (1997) [cited in Greim 2015]	ICR- CD-1	0,1600,8000,40000	180 months	No statistically significant.	Not provided
Nufarm (2009b) [cited in Greim 2015]	CD-1	0,500,1500,5000	18 months	Lung adenocarcinoma	10,10,14,22% Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,
				Malignant lymphoma	0,2,4,10% Not treatment related: historical controls range from 1.5-21.7% and average

4.5% (based on two publications), not observed in other studies.

To: Birchfield, Norman[Birchfield.Norman@epa.gov]
From: Gibbons, Catherine
Sent: Thur 11/19/2015 2:06:57 PM
Subject: RE: more on glyphosate

I'm headed over to FutureTox, I'll try to catch you later.

From: Birchfield, Norman
Sent: Thursday, November 19, 2015 9:03 AM
To: Gibbons, Catherine <Gibbons.Catherine@epa.gov>
Subject: FW: more on glyphosate

Ex. 5 - Deliberative Process

Norman Birchfield, Ph.D. / National Center for Environmental Assessment / U.S. Environmental Protection Agency / phone: (703) 347-0174

From: Cogliano, Vincent
Sent: Wednesday, November 18, 2015 10:37 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>
Cc: White, Paul <White.Paul@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>
Subject: Re: more on glyphosate

Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <Birchfield.Norman@epa.gov> wrote:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: White, Paul

Sent: Wednesday, November 18, 2015 12:37 PM

To: Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>

Subject: RE: summary of glyphosate animal studies

Ex. 5 - Deliberative Process

Paul

From: Birchfield, Norman

Sent: Wednesday, November 18, 2015 12:21 PM

To: Cogliano, Vincent; Flowers, Lynn; White, Paul

Subject: summary of glyphosate animal studies

Hi

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Summary of animal studies shown in CARC report.

Study author (date)	Strain	Doses (matrix)	Duration	Tumors (sex)	D/R	OPP conclusion
Rats						
Lankas (1981)	SD	0, 30, 100, 300 ppm (diet)	26 months	Testes (male)	0, 6, 2, 12%	Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.
				Pancreas (male)	0, 5, 2, 2 (adenoma)	
					0,0,0,1	

Stout (1990)	SD	0, 2000, 8000, 24 20000 ppm (diet)	months	Pancreas (male)	(carcinoma) 2,18,10,15% (adenoma) Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic 2,0,0,0,0% (carcinoma) changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1%
				Liver (male)	5,4,6,15% Not treatment related: not (adenoma) significant pairwise, within historical ranges, only one 7,4,2,4% mid-range preneoplastic (carcinoma) issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%
				Thyroid (female)	4,7,10,11% Not treatment related: not (adenoma) significant pairwise (trend was significant), no 0,0,2,0% carcinomas, no d/r in (carcinoma) severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3- 10%
				Thyroid (male)	4,7,14,12% Not treatment related: not (adenoma) significant pairwise or trend, no carcinomas, no d/r in 0,2,0,1% severity, grade or incidence (carcinoma) of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%
Atkinson (1993)	SD	0,10,100,300,1000 mg/kg/day (diet) [comparable doses to Stout 1990]	240 months	None. Salivary gland wt increased. Changes in mandibular and parotid glands.	n/a
Brammer	Wistar	0,2000,6000,20000	240	Liver (male)	0,4,0,10% Not treatment related: lack

(2001)		ppm (diet)	months			of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).
Feinchemie (1996)	Wistar	0,100,1000,10000	24 months	No statistically significant.	Not provided	
[cited in Greim 2015]						
Arysta Life Sciences (1997a)	SD	0,3000,10000,30000	24 months	No statistically significant.	Not provided	High dose exceeds limit dose.
[cited in Greim 2015]						
Nufarm (2009a)	Wistar	0,1500,5000,15000	24 months	No statistically significant.	Not provided	High dose exceeds the limit dose,
[cited in Greim 2015]						
Mice						
Knezevich (1983)	CD-1	0,1000,5000,30000	24 months	Renal (male)	1,0,0,1% (adenoma) 0,0,1,2% (carcinoma)	PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions were absent. OPP concluded the results were equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%
Atkinson	CD-1	0,100,300,1000	24	Hemangio-	0,0,0,9%	Not considered to be

(1993)		mg/kg/day (diet) [high dose was 20% Knezevich high dose]	months	sarcoma (male)	(hemangio- sarcome)	treatment related: tumors seen only at limit dose, no pairwise significance, "the incidences was near or the same as the upper limit (0- 8%) for the performing laboratory," the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.
Arysta Life Sciences (1997) [cited in Greim 2015]	ICR- CD-1	0,1600,8000,40000 ppm (diet)	0,8 months	No statistically significant.	Not provided	
Nufarm (2009b) [cited in Greim 2015]	CD-1	0,500,1500,5000 ppm (diet)	0,8 months	Lung adeno- carcinoma	10,10,14,22%	Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration, Malignant lymphoma
				0,2,4,10%		Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.

To: Birchfield, Norman[Birchfield.Norman@epa.gov]
Cc: White, Paul[White.Paul@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]
From: Cogliano, Vincent
Sent: Thur 11/19/2015 3:37:26 AM
Subject: Re: more on glyphosate

Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <Birchfield.Norman@epa.gov> wrote:

Ex. 5 - Deliberative Process

From: White, Paul
Sent: Wednesday, November 18, 2015 12:37 PM
To: Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>
Subject: RE: summary of glyphosate animal studies

Thanks Norm! I'm going to be putting down my comments today and we are thinking along similar lines.

Paul

From: Birchfield, Norman
Sent: Wednesday, November 18, 2015 12:21 PM
To: Cogliano, Vincent; Flowers, Lynn; White, Paul
Subject: summary of glyphosate animal studies

Hi

Ex. 5 - Deliberative Process

Summary of animal studies shown in CARC report.

Study author (date)	Strain	Doses (matrix)	Duration	Tumors (sex)	D/R	OPP conclusion
Rats						
Lankas (1981)	SD	0, 30, 100, 300 ppm (diet)	26 months	Testes (male)	0, 6, 2, 12%	Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.
				Pancreas (male)	0, 5, 2, 2 (adenoma)	
					0,0,0,1 (carcinoma)	
Stout (1990)	SD	0, 2000, 8000, 20000 ppm (diet)	24 months	Pancreas (male)	2,18,10,15% (adenoma)	Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1%
				Liver (male)	5,4,6,15% (adenoma)	Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%
				Thyroid (female)	4,7,10,11% (adenoma)	Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3- 10%
				Thyroid	4,7,14,12% (adenoma)	Not treatment related: not

				(male)	(adenoma)	significant pairwise or trend, no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%
Atkinson (1993)	SD	0,10,100,300,1000 mg/kg/day (diet)	1200 months	None. Salivary gland wt increased. Changes in mandibular and parotid glands.	n/a	
		[comparable doses to Stout 1990]				
Brammer (2001)	Wistar	0,2000,6000,20000 ppm (diet)	2400 months	Liver (male)	0,4,0,10%	Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).
Feinchemie (1996)	Wistar	0,100,1000,10000 ppm (diet)	2400 months	No statistically significant.	Not provided	
[cited in Greim 2015]						
Arysta Life Sciences (1997a)	SD	0,3000,10000,30000 ppm (diet)	2400 months	No statistically significant.	Not provided	High dose exceeds limit dose.
[cited in Greim 2015]						
Nufarm (2009a)	Wistar	0,1500,5000,15000 ppm (diet)	2400 months	No statistically significant.	Not provided	High dose exceeds the limit dose,
[cited in Greim 2015]						
Mice						
Knezevich (1983)	CD-1	0,1000,5000,30000 ppm (diet)	2400 months	Renal (male)	1,0,0,1% (adenoma)	PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions

						<p>were absent. OPP concluded the results were equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%</p>
Atkinson (1993)	CD-1	0,100,300,1000	24 months	Hemangio-sarcoma (male)	0,0,0,9% (hemangio-sarcome)	<p>Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, "the incidences was near or the same as the upper limit (0-8%) for the performing laboratory," the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.</p>
Arysta Life Sciences (1997) [cited in Greim 2015]	ICR- CD-1	0,1600,8000,40000	30 months	No statistically significant.	Not provided	
Nufarm (2009b) [cited in Greim 2015]	CD-1	0,500,1500,5000	18 months	Lung adenocarcinoma	10,10,14,22%	<p>Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,</p>
				Malignant lymphoma	0,2,4,10%	<p>Not treatment related: historical controls range</p>

from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.

To: Birchfield, Norman[Birchfield.Norman@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]
From: White, Paul
Sent: Wed 11/18/2015 5:36:46 PM
Subject: RE: summary of glyphosate animal studies

Thanks Norm! I'm going to be putting down my comments today and we are thinking along similar lines.

Paul

From: Birchfield, Norman
Sent: Wednesday, November 18, 2015 12:21 PM
To: Cogliano, Vincent; Flowers, Lynn; White, Paul
Subject: summary of glyphosate animal studies

Hi

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Summary of animal studies shown in CARC report.

Study author (date)	Strain	Doses (matrix)	Duration	Tumors (sex)	D/R	OPP conclusion
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				Pancreas (male)	0, 5, 2, 2 (adenoma)	
					0,0,0,1 (carcinoma)	
Stout (1990)	SD	0, 2000, 8000, 20000 ppm (diet)	24 months	Pancreas (male)	2,18,10,15% (adenoma)	Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1%
				Liver (male)	5,4,6,15% (adenoma)	Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls
					7,4,2,4% (carcinoma)	

						(adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%
				Thyroid (female)	4,7,10,11% (adenoma)	Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10%
				Thyroid (male)	4,7,14,12% (adenoma)	Not treatment related: not significant pairwise or trend, no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%
Atkinson (1993)	SD	0,10,100,300,1000 mg/kg/day (diet)	1200 months	None. Salivary gland wt increased. Changes in mandibular and parotid glands.	n/a	
		[comparable doses to Stout 1990]				
Brammer (2001)	Wistar	0,2000,6000,20000 ppm (diet)	2400 months	Liver (male)	0,4,0,10%	Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).
Feinchemie (1996)	Wistar	0,100,1000,10000 ppm (diet)	2400 months	No statistically significant.	Not provided	
[cited in Greim 2015]						
Arysta Life Sciences (1997a)	SD	0,3000,10000,30000 ppm (diet)	2400 months	No statistically significant.	Not provided	High dose exceeds limit dose.
[cited in Greim 2015]						
Nufarm (2009a)	Wistar	0,1500,5000,15000 ppm (diet)	2400 months	No statistically significant.	Not provided	High dose exceeds the limit dose,

[cited in
Greim 2015]

significant.

				Mice	
Knezevich (1983)	CD-1	0,1000,5000,30000 ppm (diet)	240 months	Renal (male)	1,0,0,1% (adenoma) 0,0,1,2% (carcinoma) PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions were absent. OPP concluded the results were equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%
Atkinson (1993)	CD-1	0,100,300,1000 mg/kg/day (diet) [high dose was 20% Knezevich high dose]	24 months	Hemangio- sarcoma (male)	0,0,0,9% (hemangio- sarcoma) Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, "the incidences was near or the same as the upper limit (0-8%) for the performing laboratory," the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.
Arysta Life	ICR-	0,1600,8000,40000	30 months	No	Not

Sciences (1997) [cited in Greim 2015]

CD-1	ppm (diet)	months	statistically significant.	provided
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Nufarm (2009b) [cited in Greim 2015]

CD-1	0,500,1500,5000	08	months	Lung adeno-carcinoma	10,10,14,22%	Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,
				Malignant lymphoma	0,2,4,10%	Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.

To: Birchfield, Norman[Birchfield.Norman@epa.gov]
From: McQueen, Jacqueline
Sent: Mon 11/16/2015 6:02:45 PM
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

From: Martin, Matt
Sent: Wednesday, November 04, 2015 8:43 AM
To: McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>
Cc: Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>
Subject: RE: Draft Human Health Risk Assessment for Glyphosate

Jackie,

Thanks for the documents to review.

Ex. 5 - Deliberative Process

I will make sure to have comments/analysis/thoughts back to you by the end of the week if not sooner.

Best,
Matt

~~~~~

Matt Martin, PhD  
Research Biologist | USEPA-ORD-NCCT  
919-541-4104 | martin.matt@epa.gov

"It's tough to make predictions,  
especially about the future." – Yogi Berra

[illegible]



**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Mon 11/16/2015 6:02:31 PM  
**Subject:** FW: glyphosate review

**From:** Wood, Charles  
**Sent:** Wednesday, November 04, 2015 2:48 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** glyphosate review

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

## Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: [wood.charles@epa.gov](mailto:wood.charles@epa.gov)

Phone: 919-541-1171

**To:** Vandenberg, John[Vandenberg.John@epa.gov]  
**Cc:** Cogliano, Vincent[cogliano.vincent@epa.gov]; Birchfield, Norman[Birchfield.Norman@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Fri 11/6/2015 3:45:39 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

One more piece of information. I am cc:ing Vince because I don't know if Norm had a chance to share this within NCEA yet.

Jackie

**From:** Crofton, Kevin  
**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

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cell +1-919-475-0871

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**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

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**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

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**Cc:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Hauchman, Fred[hauchman.fred@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Fri 11/6/2015 2:48:33 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate  
Review of conflicting glyphosate assessments Egeghy.docx

See attached for Peter Egeghy's review.

Jackie

**From:** McQueen, Jacqueline  
**Sent:** Thursday, November 05, 2015 2:47 PM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

One more piece of information that came from Charles Wood in NHEERL:

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

## Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: [wood.charles@epa.gov](mailto:wood.charles@epa.gov)

Phone: 919-541-1171

**From:** Fegley, Robert

**Sent:** Thursday, November 05, 2015 2:44 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>

**Cc:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI.

**From:** Crofton, Kevin

**Sent:** Thursday, November 05, 2015 2:39 PM

**To:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>; Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

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Don't hesitate to ask if you have questions or want more details.

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**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

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**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## **Ex. 5 - Deliberative Process**

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Washington, D.C. 20460  
(202) 564-6639

**To:** Fegley, Robert[Fegley.Robert@epa.gov]; Birchfield, Norman[Birchfield.Norman@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]  
**Cc:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Hauchman, Fred[hauchman.fred@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Thur 11/5/2015 7:47:25 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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## Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

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Phone: 919-541-1171

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**Cc:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI.

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**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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(202) 564-6639



**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]  
**Cc:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Fegley, Robert  
**Sent:** Thur 11/5/2015 7:43:36 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

FYI.

**From:** Crofton, Kevin  
**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

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Office of Research and Development  
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1200 Pennsylvania Avenue, N.W.  
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**Cc:** Fegley, Robert[Fegley.Robert@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Egeghy, Peter[Egeghy.Peter@epa.gov]; Martin, Matt[Martin.Matt@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Thur 11/5/2015 7:40:12 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Many thanks. I will take a quick look. There is a briefing for Tom Burke from OCSPP @ 3 today, Matt is welcome to listen in (as are you, if you are interested).

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
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Jackie

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**Cc:** Fegley, Robert[Fegley.Robert@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Egeghy, Peter[Egeghy.Peter@epa.gov]; Martin, Matt[Martin.Matt@epa.gov]  
**From:** Crofton, Kevin  
**Sent:** Thur 11/5/2015 7:38:54 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>

**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## **Ex. 5 - Deliberative Process**

Jackie



Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Wed 11/4/2015 5:42:17 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
[417300 2015-10-01 TXR0057299.pdf](#)  
[TB Brief Glyphosate JR 11 3 15.pptx](#)

Lots of e:mails. I've asked that at least you and Vince be added to the invite list. We can talk at 1 about the rest of your folks. It is ok with me, but it is time so we should discuss. In the meantime, see the attached briefing materials.

Jackie

**From:** Fegley, Robert  
**Sent:** Wednesday, November 04, 2015 12:10 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Obviously a bunch of email traffic this AM that you were not included on – just seeing them now myself

**From:** Gentry, Nathan  
**Sent:** Wednesday, November 04, 2015 9:22 AM  
**To:** Deener, Kathleen <Deener.Kathleen@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Smith, Kelley <Smith.Kelley@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Here's what they sent yesterday.

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Deener, Kathleen

**Sent:** Wednesday, November 04, 2015 9:20 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Smith, Kelley <Smith.Kelley@epa.gov>

**Cc:** Gentry, Nathan <Gentry.Nathan@epa.gov>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I was working on the assumption that it's a briefing, but I don't believe I've ever heard anyone state that.

Nathan – do you know more? Have they sent briefing materials yet?

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina

**Sent:** Wednesday, November 04, 2015 9:19 AM

**To:** Deener, Kathleen <Deener.Kathleen@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Smith, Kelley <Smith.Kelley@epa.gov>

**Cc:** Gentry, Nathan <Gentry.Nathan@epa.gov>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I agree – but I am not quite sure why this meeting is on the calendar in the first place. Is OPP planning to brief us on their strategy for this RA? If so, it would be really important to have the folks doing the review on the call.

T.

**From:** Deener, Kathleen

**Sent:** Wednesday, November 04, 2015 9:16 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Bob. Very glad that NCEA is pulling in some very good people to look at this.

I think the idea was that after we identified the right folks to get involved, then we'd add them to the invite for Thursday's meeting. So please feel free to forward the invite to whoever you've lined up for the review. Adding Tina and Nathan in case they think otherwise. But there seems to be dozens of people on the invite already. I think we should have those doing the review on the call.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Fegley, Robert

**Sent:** Wednesday, November 04, 2015 8:42 AM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

## Ex. 5 - Deliberative Process

**From:** McQueen, Jacqueline

**Sent:** Wednesday, November 04, 2015 7:19 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>;  
Hauchman, Fred <[hauchman.fred@epa.gov](mailto:hauchman.fred@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

## Ex. 5 - Deliberative Process

Jackie

**From:** Cogliano, Vincent

**Sent:** Tuesday, November 03, 2015 6:28 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Jones, Samantha  
<[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn

<Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John  
<Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis  
<DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David  
<Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

Vince

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**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline

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**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Vandenberg, John[Vandenberg.John@epa.gov]  
**Cc:** Davis, Allen[Davis.Allen@epa.gov]; Walsh, Debra[Walsh.Debra@epa.gov]; Birchfield, Norman[Birchfield.Norman@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]  
**From:** Mudipalli, Anuradha  
**Sent:** Wed 11/4/2015 2:14:00 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Will do.

Anu

**From:** Vandenberg, John  
**Sent:** Wednesday, November 04, 2015 8:35 AM  
**To:** Mudipalli, Anuradha <Mudipalli.Anu@epa.gov>  
**Cc:** Davis, Allen <Davis.Allen@epa.gov>; Walsh, Debra <Walsh.Debra@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Anu – Allen indicated you will review the glyphosate materials. Please see below.

Please provide any comments to Allen and me. Others are likely reviewing too and we'll need to coordinate NCEA comments.

Thanks, John

**From:** Cogliano, Vincent  
**Sent:** Tuesday, November 03, 2015 6:28 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
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Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman

**Sent:** Tuesday, November 03, 2015 1:37 PM

**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

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**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## **Ex. 5 - Deliberative Process**

Jackie

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U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Mudipalli, Anuradha[Mudipalli.Anu@epa.gov]  
**Cc:** Davis, Allen[Davis.Allen@epa.gov]; Walsh, Debra[Walsh.Debra@epa.gov]; Birchfield, Norman[Birchfield.Norman@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]  
**From:** Vandenberg, John  
**Sent:** Wed 11/4/2015 1:34:32 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Anu – Allen indicated you will review the glyphosate materials. Please see below.

Please provide any comments to Allen and me. Others are likely reviewing too and we'll need to coordinate NCEA comments.

Thanks, John

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## Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

Vince

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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Jackie

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(202) 564-6639

**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]; Jones, Samantha[Jones.Samantha@epa.gov]; Perovich, Gina[Perovich.Gina@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]; Ross, Mary[Ross.Mary@epa.gov]; Vandenberg, John[Vandenberg.John@epa.gov]; Berner, Ted[Berner.Ted@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]; Olden, Kenneth[Olden.Kenneth@epa.gov]; Bussard, David[Bussard.David@epa.gov]; Gatchett, Annette[Gatchett.Annette@epa.gov]  
**From:** Cogliano, Vincent  
**Sent:** Tue 11/3/2015 11:27:56 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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## Ex. 5 - Deliberative Process

Vince

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**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
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**Cc:** Davis, Allen[Davis.Allen@epa.gov]  
**From:** Vandenberg, John  
**Sent:** Tue 11/3/2015 10:23:06 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Allen asked HPAG about this, and Anu agreed to look at it quickly.

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# **Ex. 6 - Personal Privacy**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460



(202) 564-6639

**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]  
**From:** Gatchett, Annette  
**Sent:** Tue 11/3/2015 8:48:27 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Norm,

## Ex. 6 - Personal Privacy

Annette Gatchett

Division Director

NCEA Cincinnati

513-569-7697

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Birchfield, Norman[Birchfield.Norman@epa.gov]; Walton, Barb[Walton.Barb@epa.gov]; Martin, Matt[Martin.Matt@epa.gov]; Stroup, Gene[Stroup.Gene@epa.gov]  
**Cc:** Crofton, Kevin[Crofton.Kevin@epa.gov]; Fegley, Robert[Fegley.Robert@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Egeghy, Peter[Egeghy.Peter@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Tue 11/3/2015 6:29:16 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
[417300\\_2015-10-01\\_TXR0057299.pdf](#)  
[Glyphosate Draft Final Risk assessment - 2-Nov-2015 \(II\).docx](#)

## Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Gibbons, Catherine[Gibbons.Catherine@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Mon 11/23/2015 1:10:36 PM  
**Subject:** RE: more on glyphosate

## Ex. 5 - Deliberative Process

**From:** Gibbons, Catherine  
**Sent:** Friday, November 20, 2015 12:40 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Subject:** RE: more on glyphosate

## Ex. 5 - Deliberative Process

Thanks!

Catherine

**From:** Birchfield, Norman  
**Sent:** Thursday, November 19, 2015 9:03 AM  
**To:** Gibbons, Catherine <[Gibbons.Catherine@epa.gov](mailto:Gibbons.Catherine@epa.gov)>  
**Subject:** FW: more on glyphosate

## Ex. 5 - Deliberative Process

Norman Birchfield, Ph.D. / National Center for Environmental Assessment / U.S. Environmental Protection Agency / phone: (703) 347-0174

**From:** Cogliano, Vincent

**Sent:** Wednesday, November 18, 2015 10:37 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>

**Cc:** White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>

**Subject:** Re: more on glyphosate

## Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)> wrote:

## Ex. 5 - Deliberative Process

**From:** White, Paul



**Sent:** Wednesday, November 18, 2015 12:37 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>  
**Subject:** RE: summary of glyphosate animal studies

## Ex. 5 - Deliberative Process

Paul

**From:** Birchfield, Norman  
**Sent:** Wednesday, November 18, 2015 12:21 PM  
**To:** Cogliano, Vincent; Flowers, Lynn; White, Paul  
**Subject:** summary of glyphosate animal studies

Hi

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

## Summary of animal studies shown in CARC report.

| Study author<br>(date) | Strain | Doses (matrix)                           | Duration     | Tumors<br>(sex)    | D/R                      | OPP conclusion                                                                                                                                                                                                                                                                      |
|------------------------|--------|------------------------------------------|--------------|--------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rats                   |        |                                          |              |                    |                          |                                                                                                                                                                                                                                                                                     |
| Lankas<br>(1981)       | SD     | 0, 30, 100, 300<br>ppm (diet)            | 26<br>months | Testes<br>(male)   | 0, 6, 2,<br>12%          | Not treatment related: no<br>d/r, no preneoplastic lesions,<br>incidence within normal<br>historical range, no similar<br>tumors seen in same strain at<br>higher doses.                                                                                                            |
|                        |        |                                          |              | Pancreas<br>(male) | 0, 5, 2, 2<br>(adenoma)  |                                                                                                                                                                                                                                                                                     |
|                        |        |                                          |              |                    | 0,0,0,1<br>(carcinoma)   |                                                                                                                                                                                                                                                                                     |
| Stout (1990)           | SD     | 0, 2000, 8000, 24<br>20000 ppm<br>(diet) | months       | Pancreas<br>(male) | 2,18,10,15%<br>(adenoma) | Not treatment related: lack<br>of significance in trend test,<br>lack of d/r, no preneoplastic<br>changes, no carcinomas,<br>pairwise significance likely<br>due to low concurrent<br>control incidence.<br>Historical controls<br>(adenoma): 2.9, 8.5, 5.8, 1.8,<br>8.3, 5.5, 5.1% |
|                        |        |                                          |              | Liver (male)       | 5,4,6,15%<br>(adenoma)   | Not treatment related: not<br>significant pairwise, within<br>historical ranges, only one<br>mid-range preneoplastic<br>issue, no carcinomas.                                                                                                                                       |
|                        |        |                                          |              |                    | 7,4,2,4%<br>(carcinoma)  |                                                                                                                                                                                                                                                                                     |

|                                                                |        |                                          |                |                                                                                                   |                         |                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------|--------|------------------------------------------|----------------|---------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                |        |                                          |                |                                                                                                   |                         | Historical controls<br>(adenomas): 8.3, 16.2, 1.4,<br>5.1, 18.3, 8.3, 6.7%                                                                                                                                                                                                           |
|                                                                |        |                                          |                | Thyroid<br>(female)                                                                               | 4,7,10,11%<br>(adenoma) | Not treatment related: not<br>significant pairwise (trend<br>was significant), no<br>0,0,2,0% carcinomas, no d/r in<br>(carcinoma) severity, grade or incidence<br>of hyperplasia, other rat<br>studies did not show<br>thyroid tumors. Historical<br>control (adenoma): 3.3-<br>10% |
|                                                                |        |                                          |                | Thyroid<br>(male)                                                                                 | 4,7,14,12%<br>(adenoma) | Not treatment related: not<br>significant pairwise or trend,<br>no carcinomas, no d/r in<br>0,2,0,1% severity, grade or incidence<br>(carcinoma) of hyperplasia, other rat<br>studies did not show thyroid<br>tumors. Historical control<br>(adenoma): 1.8-10.6%                     |
| Atkinson<br>(1993)                                             | SD     | 0,10,100,300,1000<br>mg/kg/day<br>(diet) | 1200<br>months | None.<br>Salivary<br>gland wt<br>increased.<br>Changes in<br>mandibular<br>and parotid<br>glands. | n/a                     |                                                                                                                                                                                                                                                                                      |
|                                                                |        | [comparable<br>doses to Stout<br>1990]   |                |                                                                                                   |                         |                                                                                                                                                                                                                                                                                      |
| Brammer<br>(2001)                                              | Wistar | 0,2000,6000,20000<br>ppm (diet)          | 2400<br>months | Liver (male)                                                                                      | 0,4,0,10%               | Not treatment related: lack<br>of d/r, lack of progression to<br>malignancy, no pre-<br>neoplastic lesions, within<br>historical ranges (0-11.5%,<br>26 studies).                                                                                                                    |
| Feinchemie<br>(1996)                                           | Wistar | 0,100,1000,10000<br>ppm (diet)           | 2400<br>months | No<br>statistically<br>significant.                                                               | Not<br>provided         |                                                                                                                                                                                                                                                                                      |
| [cited in<br>Greim 2015]                                       |        |                                          |                |                                                                                                   |                         |                                                                                                                                                                                                                                                                                      |
| Arysta Life<br>Sciences<br>(1997a)<br>[cited in<br>Greim 2015] | SD     | 0,3000,10000,30000<br>ppm (diet)         | 2400<br>months | No<br>statistically<br>significant.                                                               | Not<br>provided         | High dose exceeds limit<br>dose.                                                                                                                                                                                                                                                     |
| Nufarm                                                         | Wistar | 0,1500,5000,15000<br>ppm (diet)          | 2400<br>months | No                                                                                                | Not                     | High dose exceeds the limit                                                                                                                                                                                                                                                          |

(2009a)  
[cited in  
Greim 2015]

ppm (diet)      months      statistically provided dose,  
significant.

| Mice                |      |                                                                                        |               |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|------|----------------------------------------------------------------------------------------|---------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Knezevich<br>(1983) | CD-1 | 0,1000,5000,30000<br>ppm (diet)                                                        | 240<br>months | Renal<br>(male)                | 1,0,0,1%<br>(adenoma)<br>0,0,1,2%<br>(carcinoma)<br>PWG concluded not<br>treatment related: there is a<br>paucity of historical control<br>data on renal tubular tumors<br>in this mouse stock, no<br>significant pairwise, no<br>evidence of significant<br>linear trend, no instances of<br>multiple tumors in any<br>animals, nephrotoxic lesions<br>were absent. OPP<br>concluded the results were<br>equivocal: lack of pairwise<br>significance, no increase in<br>non-neoplastic renal tubular<br>lesions, additional<br>examination found no more<br>neoplasms, increased<br>incidence in high dose group<br>was small and accompanied<br>by decreased bwt gain, lack<br>of renal tumors in other<br>strains. Historical controls<br>(should be confirmed): 1.9,<br>0, 0, 0, 3.3, 0, 0% |
| Atkinson<br>(1993)  | CD-1 | 0,100,300,1000<br>mg/kg/day<br>(diet) [high<br>dose was 20%<br>Knezevich<br>high dose] | 24<br>months  | Hemangio-<br>sarcoma<br>(male) | 0,0,0,9%<br>(hemangio-<br>sarcoma)<br>Not considered to be<br>treatment related: tumors<br>seen only at limit dose, no<br>pairwise significance, "the<br>incidences was near or the<br>same as the upper limit (0-<br>8%) for the performing<br>laboratory," the tumor type<br>was not seen in male CD-1<br>mice in 3 other studies –<br>some with higher doses,<br>female mice had variable<br>response: 0,2,0,1 in control,<br>low-, mid- and high-dose<br>groups), this tumor is<br>observed spontaneously<br>particularly in males.                                                                                                                                                                                                                                                         |

|                                                   |           |                              |             |                               |                                                                                                                                                                                             |
|---------------------------------------------------|-----------|------------------------------|-------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Arysta Life Sciences (1997) [cited in Greim 2015] | ICR- CD-1 | 0,1600,8000,40000 ppm (diet) | 0000 months | No statistically significant. | Not provided                                                                                                                                                                                |
| Nufarm (2009b) [cited in Greim 2015]              | CD-1      | 0,500,1500,5000 ppm (diet)   | 0008 months | Lung adeno-carcinoma          | 10,10,14,22% Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration, |
|                                                   |           |                              |             | Malignant lymphoma            | 0,2,4,10% Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.                                      |

**To:** Perovich, Gina[Perovich.Gina@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Thur 11/19/2015 7:56:56 PM  
**Subject:** FW: more on glyphosate

**From:** Cogliano, Vincent  
**Sent:** Wednesday, November 18, 2015 10:37 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Cc:** White, Paul <White.Paul@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>  
**Subject:** Re: more on glyphosate

## Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <Birchfield.Norman@epa.gov> wrote:

## Ex. 5 - Deliberative Process

**From:** White, Paul  
**Sent:** Wednesday, November 18, 2015 12:37 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>

**Subject:** RE: summary of glyphosate animal studies

## Ex. 5 - Deliberative Process

Paul

**From:** Birchfield, Norman

**Sent:** Wednesday, November 18, 2015 12:21 PM

**To:** Cogliano, Vincent; Flowers, Lynn; White, Paul

**Subject:** summary of glyphosate animal studies

Hi

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

## Summary of animal studies shown in CARC report.

| Study author<br>(date) | Strain | Doses (matrix)                           | Duration     | Tumors<br>(sex)    | D/R                      | OPP conclusion                                                                                                                                                                                                                                                                      |
|------------------------|--------|------------------------------------------|--------------|--------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rats                   |        |                                          |              |                    |                          |                                                                                                                                                                                                                                                                                     |
| Lankas<br>(1981)       | SD     | 0, 30, 100, 300<br>ppm (diet)            | 26<br>months | Testes<br>(male)   | 0, 6, 2,<br>12%          | Not treatment related: no<br>d/r, no preneoplastic lesions,<br>incidence within normal<br>historical range, no similar<br>tumors seen in same strain at<br>higher doses.                                                                                                            |
|                        |        |                                          |              | Pancreas<br>(male) | 0, 5, 2, 2<br>(adenoma)  |                                                                                                                                                                                                                                                                                     |
|                        |        |                                          |              |                    | 0,0,0,1<br>(carcinoma)   |                                                                                                                                                                                                                                                                                     |
| Stout (1990)           | SD     | 0, 2000, 8000, 24<br>20000 ppm<br>(diet) | 24<br>months | Pancreas<br>(male) | 2,18,10,15%<br>(adenoma) | Not treatment related: lack<br>of significance in trend test,<br>lack of d/r, no preneoplastic<br>changes, no carcinomas,<br>pairwise significance likely<br>due to low concurrent<br>control incidence.<br>Historical controls<br>(adenoma): 2.9, 8.5, 5.8, 1.8,<br>8.3, 5.5, 5.1% |
|                        |        |                                          |              | Liver (male)       | 5,4,6,15%<br>(adenoma)   | Not treatment related: not<br>significant pairwise, within<br>historical ranges, only one<br>mid-range preneoplastic<br>issue, no carcinomas.<br>Historical controls<br>(adenomas): 8.3, 16.2, 1.4,<br>5.1, 18.3, 8.3, 6.7%                                                         |
|                        |        |                                          |              |                    | 7,4,2,4%<br>(carcinoma)  |                                                                                                                                                                                                                                                                                     |



|                              |        |                                    |             |                                                                              |                      |                                                                                                                                                                                                                                     |
|------------------------------|--------|------------------------------------|-------------|------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |        |                                    |             | Thyroid (female)                                                             | 4,7,10,11% (adenoma) | Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10% |
|                              |        |                                    |             | Thyroid (male)                                                               | 4,7,14,12% (adenoma) | Not treatment related: not significant pairwise or trend, no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%              |
| Atkinson (1993)              | SD     | 0,10,100,300,1000 mg/kg/day (diet) | 240 months  | None. Salivary gland wt increased. Changes in mandibular and parotid glands. | n/a                  |                                                                                                                                                                                                                                     |
|                              |        | [comparable doses to Stout 1990]   |             |                                                                              |                      |                                                                                                                                                                                                                                     |
| Brammer (2001)               | Wistar | 0,2000,6000,20000 ppm (diet)       | 240 months  | Liver (male)                                                                 | 0,4,0,10%            | Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).                                                                                   |
| Feinchemie (1996)            | Wistar | 0,100,1000,10000 ppm (diet)        | 240 months  | No statistically significant.                                                | Not provided         |                                                                                                                                                                                                                                     |
| [cited in Greim 2015]        |        |                                    |             |                                                                              |                      |                                                                                                                                                                                                                                     |
| Arysta Life Sciences (1997a) | SD     | 0,3000,10000,30000 ppm (diet)      | 2400 months | No statistically significant.                                                | Not provided         | High dose exceeds limit dose.                                                                                                                                                                                                       |
| [cited in Greim 2015]        |        |                                    |             |                                                                              |                      |                                                                                                                                                                                                                                     |
| Nufarm (2009a)               | Wistar | 0,1500,5000,15000 ppm (diet)       | 240 months  | No statistically significant.                                                | Not provided         | High dose exceeds the limit dose,                                                                                                                                                                                                   |
| [cited in Greim 2015]        |        |                                    |             |                                                                              |                      |                                                                                                                                                                                                                                     |

|                                          |              |                                                                                        |               | Mice                           |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------|--------------|----------------------------------------------------------------------------------------|---------------|--------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Knezevich<br>(1983)                      | CD-1         | 0,1000,5000,30000<br>ppm (diet)                                                        | 240<br>months | Renal<br>(male)                | 1,0,0,1%<br>(adenoma)              | PWG concluded not<br>treatment related: there is a<br>paucity of historical control<br>data on renal tubular tumors<br>(carcinoma) in this mouse stock, no<br>significant pairwise, no<br>evidence of significant<br>linear trend, no instances of<br>multiple tumors in any<br>animals, nephrotoxic lesions<br>were absent. OPP<br>concluded the results were<br>equivocal: lack of pairwise<br>significance, no increase in<br>non-neoplastic renal tubular<br>lesions, additional<br>examination found no more<br>neoplasms, increased<br>incidence in high dose group<br>was small and accompanied<br>by decreased bwt gain, lack<br>of renal tumors in other<br>strains. Historical controls<br>(should be confirmed): 1.9,<br>0, 0, 0, 3.3, 0, 0% |
| Atkinson<br>(1993)                       | CD-1         | 0,100,300,1000<br>mg/kg/day<br>(diet) [high<br>dose was 20%<br>Knezevich<br>high dose] | 24<br>months  | Hemangio-<br>sarcoma<br>(male) | 0,0,0,9%<br>(hemangio-<br>sarcoma) | Not considered to be<br>treatment related: tumors<br>seen only at limit dose, no<br>pairwise significance, "the<br>incidences was near or the<br>same as the upper limit (0-<br>8%) for the performing<br>laboratory," the tumor type<br>was not seen in male CD-1<br>mice in 3 other studies –<br>some with higher doses,<br>female mice had variable<br>response: 0,2,0,1 in control,<br>low-, mid- and high-dose<br>groups), this tumor is<br>observed spontaneously<br>particularly in males.                                                                                                                                                                                                                                                       |
| Arysta Life<br>Sciences<br>(1997) [cited | ICR-<br>CD-1 | 0,1600,8000,40000<br>ppm (diet)                                                        | 240<br>months | No                             | statistically<br>significant.      | Not<br>provided                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

in Greim  
2015]

Nufarm  
(2009b)  
[cited in  
Greim 2015]

CD-1 0,500,1500,5000  
ppm (diet) months

Lung adeno-10,10,14,22%  
carcinoma

Not treatment related: not  
significant pairwise, within  
historical control range  
(1.43-26%), not seen in  
other studies in the same  
strain at higher doses and  
longer duration,

Malignant 0,2,4,10%  
lymphoma

Not treatment related:  
historical controls range  
from 1.5-21.7% and average  
4.5% (based on two  
publications), not observed  
in other studies.

**To:** Perovich, Gina[Perovich.Gina@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Thur 11/19/2015 7:56:24 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
417300 2015-10-01 TXR0057299.pdf  
Glyohosate Draft Final Risk assessment - 2-Nov-2015 (II).docx

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb  
<Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene  
<Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>;  
Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Perovich, Gina[Perovich.Gina@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Thur 11/19/2015 7:56:02 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
[417300 2015-10-01 TXR0057299.pdf](#)  
[TB Brief Glyphosate JR 11 3 15.pptx](#)

**From:** McQueen, Jacqueline  
**Sent:** Wednesday, November 04, 2015 12:42 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Lots of e:mails. I've asked that at least you and Vince be added to the invite list. We can talk at 1 about the rest of your folks. It is ok with me, but it is time so we should discuss. In the meantime, see the attached briefing materials.

Jackie

**From:** Fegley, Robert  
**Sent:** Wednesday, November 04, 2015 12:10 PM  
**To:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Obviously a bunch of email traffic this AM that you were not included on – just seeing them now myself

**From:** Gentry, Nathan  
**Sent:** Wednesday, November 04, 2015 9:22 AM  
**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Here's what they sent yesterday.

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Deener, Kathleen

**Sent:** Wednesday, November 04, 2015 9:20 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>;  
Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I was working on the assumption that it's a briefing, but I don't believe I've ever heard anyone state that.

Nathan – do you know more? Have they sent briefing materials yet?

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 9:19 AM  
**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I agree – but I am not quite sure why this meeting is on the calendar in the first place. Is OPP planning to brief us on their strategy for this RA? If so, it would be really important to have the folks doing the review on the call.

T.

**From:** Deener, Kathleen  
**Sent:** Wednesday, November 04, 2015 9:16 AM  
**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Bob. Very glad that NCEA is pulling in some very good people to look at this.

I think the idea was that after we identified the right folks to get involved, then we'd add them to the invite for Thursday's meeting. So please feel free to forward the invite to whoever you've lined up for the review. Adding Tina and Nathan in case they think otherwise. But there seems to be dozens of people on the invite already. I think we should have those doing the review on the call.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development



(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Fegley, Robert

**Sent:** Wednesday, November 04, 2015 8:42 AM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

## Ex. 5 - Deliberative Process

**From:** McQueen, Jacqueline

**Sent:** Wednesday, November 04, 2015 7:19 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>;  
Hauchman, Fred <[hauchman.fred@epa.gov](mailto:hauchman.fred@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

## Ex. 5 - Deliberative Process

Jackie

**From:** Cogliano, Vincent

**Sent:** Tuesday, November 03, 2015 6:28 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Perovich, Gina[Perovich.Gina@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Thur 11/19/2015 7:55:36 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

**From:** McQueen, Jacqueline  
**Sent:** Friday, November 06, 2015 10:46 AM  
**To:** Vandenberg, John <Vandenberg.John@epa.gov>  
**Cc:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

One more piece of information. I am cc:ing Vince because I don't know if Norm had a chance to share this within NCEA yet.

Jackie

**From:** Crofton, Kevin  
**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Gibbons, Catherine[Gibbons.Catherine@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Thur 11/19/2015 2:03:05 PM  
**Subject:** FW: more on glyphosate

## Ex. 5 - Deliberative Process

Norman Birchfield, Ph.D. / National Center for Environmental Assessment / U.S. Environmental Protection Agency / phone: (703) 347-0174

**From:** Cogliano, Vincent  
**Sent:** Wednesday, November 18, 2015 10:37 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Cc:** White, Paul <White.Paul@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>  
**Subject:** Re: more on glyphosate

## Ex. 5 - Deliberative Process

On Nov 18, 2015, at 15:29, Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)> wrote:

## Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

**From:** White, Paul

**Sent:** Wednesday, November 18, 2015 12:37 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>

**Subject:** RE: summary of glyphosate animal studies

## Ex. 5 - Deliberative Process

Paul

**From:** Birchfield, Norman

**Sent:** Wednesday, November 18, 2015 12:21 PM

**To:** Cogliano, Vincent; Flowers, Lynn; White, Paul

**Subject:** summary of glyphosate animal studies

Hi

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

## Summary of animal studies shown in CARC report.

| Study author (date) | Strain | Doses (matrix)                  | Duration  | Tumors (sex)    | D/R                    | OPP conclusion                                                                                                                                                                                                                                           |
|---------------------|--------|---------------------------------|-----------|-----------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rats                |        |                                 |           |                 |                        |                                                                                                                                                                                                                                                          |
| Lankas (1981)       | SD     | 0, 30, 100, 300 ppm (diet)      | 26 months | Testes (male)   | 0, 6, 2, 12%           | Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.                                                                                                |
|                     |        |                                 |           | Pancreas (male) | 0, 5, 2, 2 (adenoma)   |                                                                                                                                                                                                                                                          |
|                     |        |                                 |           |                 | 0,0,0,1 (carcinoma)    |                                                                                                                                                                                                                                                          |
| Stout (1990)        | SD     | 0, 2000, 8000, 20000 ppm (diet) | 24 months | Pancreas (male) | 2,18,10,15% (adenoma)  | Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1% |
|                     |        |                                 |           |                 | 2,0,0,0,0% (carcinoma) |                                                                                                                                                                                                                                                          |

|                       |        |                                    |             |                                                                              |                  |                                                                                                                                                   |                                                                                                                                                                                                                                     |
|-----------------------|--------|------------------------------------|-------------|------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |        |                                    |             |                                                                              | Liver (male)     | 5,4,6,15%<br>(adenoma)<br>7,4,2,4%<br>(carcinoma)                                                                                                 | Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%                              |
|                       |        |                                    |             |                                                                              | Thyroid (female) | 4,7,10,11%<br>(adenoma)<br>0,0,2,0%<br>(carcinoma)                                                                                                | Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10% |
|                       |        |                                    |             |                                                                              | Thyroid (male)   | 4,7,14,12%<br>(adenoma)<br>0,2,0,1%<br>(carcinoma)                                                                                                | Not treatment related: not significant pairwise or trend, no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%              |
| Atkinson (1993)       | SD     | 0,10,100,300,1000 mg/kg/day (diet) | 1200 months | None. Salivary gland wt increased. Changes in mandibular and parotid glands. | n/a              |                                                                                                                                                   |                                                                                                                                                                                                                                     |
|                       |        | [comparable doses to Stout 1990]   |             |                                                                              |                  |                                                                                                                                                   |                                                                                                                                                                                                                                     |
| Brammer (2001)        | Wistar | 0,2000,6000,20000 ppm (diet)       | 240 months  | Liver (male)                                                                 | 0,4,0,10%        | Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies). |                                                                                                                                                                                                                                     |
| Feinchemie (1996)     | Wistar | 0,100,1000,10000 ppm (diet)        | 240 months  | No statistically significant.                                                | Not provided     |                                                                                                                                                   |                                                                                                                                                                                                                                     |
| [cited in Greim 2015] |        |                                    |             |                                                                              |                  |                                                                                                                                                   |                                                                                                                                                                                                                                     |
| Arysta Life           | SD     | 0,3000,10000,30000                 | 2400        | No                                                                           | Not              | High dose exceeds limit                                                                                                                           |                                                                                                                                                                                                                                     |

|                                                 |        |                                                                      |        |                                     |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------|--------|----------------------------------------------------------------------|--------|-------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sciences<br>(1997a)<br>[cited in<br>Greim 2015] |        | ppm (diet)                                                           | months | statistically<br>significant.       | provided                                         | dose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Nufarm<br>(2009a)<br>[cited in<br>Greim 2015]   | Wistar | 0,1500,5000,15000                                                    | 240    | No<br>statistically<br>significant. | Not<br>provided                                  | High dose exceeds the limit<br>dose,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                 |        | ppm (diet)                                                           | months |                                     |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                 |        |                                                                      |        | Mice                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Knezevich<br>(1983)                             | CD-1   | 0,1000,5000,30000                                                    | 240    | Renal<br>(male)                     | 1,0,0,1%<br>(adenoma)<br>0,0,1,2%<br>(carcinoma) | PWG concluded not<br>treatment related: there is a<br>paucity of historical control<br>data on renal tubular tumors<br>in this mouse stock, no<br>significant pairwise, no<br>evidence of significant<br>linear trend, no instances of<br>multiple tumors in any<br>animals, nephrotoxic lesions<br>were absent. OPP<br>concluded the results were<br>equivocal: lack of pairwise<br>significance, no increase in<br>non-neoplastic renal tubular<br>lesions, additional<br>examination found no more<br>neoplasms, increased<br>incidence in high dose group<br>was small and accompanied<br>by decreased bwt gain, lack<br>of renal tumors in other<br>strains. Historical controls<br>(should be confirmed): 1.9,<br>0, 0, 0, 3.3, 0, 0% |
| Atkinson<br>(1993)                              | CD-1   | 0,100,300,1000                                                       | 24     | Hemangio-<br>sarcoma<br>(male)      | 0,0,0,9%<br>(hemangio-<br>sarcoma)               | Not considered to be<br>treatment related: tumors<br>seen only at limit dose, no<br>pairwise significance, “the<br>incidences was near or the<br>same as the upper limit (0-<br>8%) for the performing<br>laboratory,” the tumor type<br>was not seen in male CD-1<br>mice in 3 other studies –<br>some with higher doses,<br>female mice had variable                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                 |        | mg/kg/day<br>(diet) [high<br>dose was 20%<br>Knezevich<br>high dose] | months |                                     |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                                   |           |                              |             |                               |              |                                                                                                                                                                                |
|---------------------------------------------------|-----------|------------------------------|-------------|-------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   |           |                              |             |                               |              | response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males.                                                    |
| Arysta Life Sciences (1997) [cited in Greim 2015] | ICR- CD-1 | 0,1600,8000,40000 ppm (diet) | 0000 months | No statistically significant. | Not provided |                                                                                                                                                                                |
| Nufarm (2009b) [cited in Greim 2015]              | CD-1      | 0,500,1500,5000 ppm (diet)   | 08 months   | Lung adeno-carcinoma          | 10,10,14,22% | Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration, |
|                                                   |           |                              |             | Malignant lymphoma            | 0,2,4,10%    | Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.                                   |

**To:** White, Paul[White.Paul@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Wed 11/18/2015 10:29:50 PM  
**Subject:** more on glyphosate

## Ex. 5 - Deliberative Process

**From:** White, Paul  
**Sent:** Wednesday, November 18, 2015 12:37 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>  
**Subject:** RE: summary of glyphosate animal studies

Thanks Norm! I'm going to be putting down my comments today and we are thinking along similar lines.

Paul

**From:** Birchfield, Norman  
**Sent:** Wednesday, November 18, 2015 12:21 PM  
**To:** Cogliano, Vincent; Flowers, Lynn; White, Paul  
**Subject:** summary of glyphosate animal studies

# Ex. 5 - Deliberative Process

## Summary of animal studies shown in CARC report.

| Study author<br>(date) | Strain | Doses (matrix)                | Duration     | Tumors<br>(sex)  | D/R             | OPP conclusion                                              |
|------------------------|--------|-------------------------------|--------------|------------------|-----------------|-------------------------------------------------------------|
| Rats                   |        |                               |              |                  |                 |                                                             |
| Lankas<br>(1981)       | SD     | 0, 30, 100, 300<br>ppm (diet) | 26<br>months | Testes<br>(male) | 0, 6, 2,<br>12% | Not treatment related: no<br>d/r, no preneoplastic lesions, |



|              |    |                                    |                 |                      |                                                                                                                                                                                                                                                                                |
|--------------|----|------------------------------------|-----------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |    |                                    |                 |                      | incidence within normal historical range, no similar tumors seen in same strain at higher doses.                                                                                                                                                                               |
|              |    |                                    | Pancreas (male) | 0, 5, 2, 2 (adenoma) |                                                                                                                                                                                                                                                                                |
|              |    |                                    |                 | 0,0,0,1 (carcinoma)  |                                                                                                                                                                                                                                                                                |
| Stout (1990) | SD | 0, 2000, 8000, 24 20000 ppm (diet) | 24 months       | Pancreas (male)      | 2,18,10,15% (adenoma) Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1% |
|              |    |                                    |                 | Liver (male)         | 5,4,6,15% (adenoma) Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%                                                     |
|              |    |                                    |                 | Thyroid (female)     | 4,7,10,11% (adenoma) Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10%                       |
|              |    |                                    |                 | Thyroid (male)       | 4,7,14,12% (adenoma) Not treatment related: not significant pairwise or trend, no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%                                    |
| Atkinson     | SD | 0,10,100,300,1000                  | 24 months       | None.                | n/a                                                                                                                                                                                                                                                                            |

|                                    |        |                                        |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|--------|----------------------------------------|----------------|------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1993)                             |        | mg/kg/day<br>(diet)                    | months         | Salivary<br>gland wt<br>increased.<br>Changes in<br>mandibular<br>and parotid<br>glands. |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                    |        | [comparable<br>doses to Stout<br>1990] |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Brammer<br>(2001)                  | Wistar | 0,2000,6000,20000<br>ppm (diet)        | 2400<br>months | Liver (male)                                                                             | 0,4,0,10%                                        | Not treatment related: lack<br>of d/r, lack of progression to<br>malignancy, no pre-<br>neoplastic lesions, within<br>historical ranges (0-11.5%,<br>26 studies).                                                                                                                                                                                                                                                                                                                                                             |
| Feinchemie<br>(1996)               | Wistar | 0,100,1000,10000<br>ppm (diet)         | 240<br>months  | No<br>statistically<br>significant.                                                      | Not<br>provided                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| [cited in<br>Greim 2015]           |        |                                        |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Arysta Life<br>Sciences<br>(1997a) | SD     | 0,3000,10000,30000<br>ppm (diet)       | 2400<br>months | No<br>statistically<br>significant.                                                      | Not<br>provided                                  | High dose exceeds limit<br>dose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [cited in<br>Greim 2015]           |        |                                        |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Nufarm<br>(2009a)                  | Wistar | 0,1500,5000,15000<br>ppm (diet)        | 240<br>months  | No<br>statistically<br>significant.                                                      | Not<br>provided                                  | High dose exceeds the limit<br>dose,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [cited in<br>Greim 2015]           |        |                                        |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mice                               |        |                                        |                |                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Knezevich<br>(1983)                | CD-1   | 0,1000,5000,30000<br>ppm (diet)        | 240<br>months  | Renal<br>(male)                                                                          | 1,0,0,1%<br>(adenoma)<br>0,0,1,2%<br>(carcinoma) | PWG concluded not<br>treatment related: there is a<br>paucity of historical control<br>data on renal tubular tumors<br>in this mouse stock, no<br>significant pairwise, no<br>evidence of significant<br>linear trend, no instances of<br>multiple tumors in any<br>animals, nephrotoxic lesions<br>were absent. OPP<br>concluded the results were<br>equivocal: lack of pairwise<br>significance, no increase in<br>non-neoplastic renal tubular<br>lesions, additional<br>examination found no more<br>neoplasms, increased |

|                                                   |           |                   |            |                               |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|-----------|-------------------|------------|-------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   |           |                   |            |                               |                             | incidence in high dose group was small and accompanied be decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%                                                                                                                                                                                                                                                         |
| Atkinson (1993)                                   | CD-1      | 0,100,300,1000    | 24 months  | Hemangio-sarcoma (male)       | 0,0,0,9% (hemangio-sarcome) | Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, “the incidences was near or the same as the upper limit (0-8%) for the performing laboratory,” the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males. |
| Arysta Life Sciences (1997) [cited in Greim 2015] | ICR- CD-1 | 0,1600,8000,40000 | 180 months | No statistically significant. | Not provided                |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Nufarm (2009b) [cited in Greim 2015]              | CD-1      | 0,500,1500,5000   | 18 months  | Lung adenocarcinoma           | 10,10,14,22%                | Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,                                                                                                                                                                                                                                                                   |
|                                                   |           |                   |            | Malignant lymphoma            | 0,2,4,10%                   | Not treatment related: historical controls range from 1.5-21.7% and average 4.5% (based on two publications), not observed in other studies.                                                                                                                                                                                                                                                                                                     |



**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]; White, Paul[White.Paul@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Wed 11/18/2015 5:20:42 PM  
**Subject:** summary of glyphosate animal studies

## Ex. 5 - Deliberative Process

**Summary of animal studies shown in CARC report.**

| Study author | Strain | Doses (matrix) | Duration | Tumors | D/R | OPP conclusion |
|--------------|--------|----------------|----------|--------|-----|----------------|
|--------------|--------|----------------|----------|--------|-----|----------------|

|               |    |                                 |           |                  |                                                |                                                                                                                                                                                                                                                          |
|---------------|----|---------------------------------|-----------|------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (date)        |    |                                 |           | (sex)            |                                                |                                                                                                                                                                                                                                                          |
| Rats          |    |                                 |           |                  |                                                |                                                                                                                                                                                                                                                          |
| Lankas (1981) | SD | 0, 30, 100, 300 ppm (diet)      | 26 months | Testes (male)    | 0, 6, 2, 12%                                   | Not treatment related: no d/r, no preneoplastic lesions, incidence within normal historical range, no similar tumors seen in same strain at higher doses.                                                                                                |
|               |    |                                 |           | Pancreas (male)  | 0, 5, 2, 2 (adenoma)<br>0,0,0,1 (carcinoma)    |                                                                                                                                                                                                                                                          |
| Stout (1990)  | SD | 0, 2000, 8000, 20000 ppm (diet) | 24 months | Pancreas (male)  | 2,18,10,15 (adenoma)<br>2,0,0,0,0% (carcinoma) | Not treatment related: lack of significance in trend test, lack of d/r, no preneoplastic changes, no carcinomas, pairwise significance likely due to low concurrent control incidence. Historical controls (adenoma): 2.9, 8.5, 5.8, 1.8, 8.3, 5.5, 5.1% |
|               |    |                                 |           | Liver (male)     | 5,4,6,15% (adenoma)<br>7,4,2,4% (carcinoma)    | Not treatment related: not significant pairwise, within historical ranges, only one mid-range preneoplastic issue, no carcinomas. Historical controls (adenomas): 8.3, 16.2, 1.4, 5.1, 18.3, 8.3, 6.7%                                                   |
|               |    |                                 |           | Thyroid (female) | 4,7,10,11% (adenoma)<br>0,0,2,0% (carcinoma)   | Not treatment related: not significant pairwise (trend was significant), no carcinomas, no d/r in severity, grade or incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 3.3-10%                      |
|               |    |                                 |           | Thyroid (male)   | 4,7,14,12% (adenoma)<br>0,2,0,1%               | Not treatment related: not significant pairwise or trend, no carcinomas, no d/r in severity, grade or                                                                                                                                                    |

|                                                       |        |                                                                            |             |                                                                              |                                                |                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|--------|----------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                       |        |                                                                            |             |                                                                              | (carcinoma)                                    | incidence of hyperplasia, other rat studies did not show thyroid tumors. Historical control (adenoma): 1.8-10.6%                                                                                                                                                                                                  |
| Atkinson (1993)                                       | SD     | 0,10,100,300,1000 mg/kg/day (diet)<br><br>[comparable doses to Stout 1990] | 240 months  | None. Salivary gland wt increased. Changes in mandibular and parotid glands. | n/a                                            |                                                                                                                                                                                                                                                                                                                   |
| Brammer (2001)                                        | Wistar | 0,2000,6000,20000 ppm (diet)                                               | 240 months  | Liver (male)                                                                 | 0,4,0,10%                                      | Not treatment related: lack of d/r, lack of progression to malignancy, no pre-neoplastic lesions, within historical ranges (0-11.5%, 26 studies).                                                                                                                                                                 |
| Feinchemie (1996)<br><br>[cited in Greim 2015]        | Wistar | 0,100,1000,10000 ppm (diet)                                                | 240 months  | No statistically significant.                                                | Not provided                                   |                                                                                                                                                                                                                                                                                                                   |
| Arysta Life Sciences (1997a)<br>[cited in Greim 2015] | SD     | 0,3000,10000,30000 ppm (diet)                                              | 2400 months | No statistically significant.                                                | Not provided                                   | High dose exceeds limit dose.                                                                                                                                                                                                                                                                                     |
| Nufarm (2009a)<br>[cited in Greim 2015]               | Wistar | 0,1500,5000,15000 ppm (diet)                                               | 2400 months | No statistically significant.                                                | Not provided                                   | High dose exceeds the limit dose,                                                                                                                                                                                                                                                                                 |
| Mice                                                  |        |                                                                            |             |                                                                              |                                                |                                                                                                                                                                                                                                                                                                                   |
| Knezevich (1983)                                      | CD-1   | 0,1000,5000,30000 ppm (diet)                                               | 240 months  | Renal (male)                                                                 | 1,0,0,1% (adenoma)<br><br>0,0,1,2% (carcinoma) | PWG concluded not treatment related: there is a paucity of historical control data on renal tubular tumors in this mouse stock, no significant pairwise, no evidence of significant linear trend, no instances of multiple tumors in any animals, nephrotoxic lesions were absent. OPP concluded the results were |

|                                                   |          |                                                                         |            |                               |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|----------|-------------------------------------------------------------------------|------------|-------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   |          |                                                                         |            |                               |                            | equivocal: lack of pairwise significance, no increase in non-neoplastic renal tubular lesions, additional examination found no more neoplasms, increased incidence in high dose group was small and accompanied by decreased bwt gain, lack of renal tumors in other strains. Historical controls (should be confirmed): 1.9, 0, 0, 0, 3.3, 0, 0%                                                                                                |
| Atkinson (1993)                                   | CD-1     | 0,100,300,1000 mg/kg/day (diet) [high dose was 20% Knezevich high dose] | 24 months  | Hemangiosarcoma (male)        | 0,0,0,9% (hemangiosarcoma) | Not considered to be treatment related: tumors seen only at limit dose, no pairwise significance, “the incidences was near or the same as the upper limit (0-8%) for the performing laboratory,” the tumor type was not seen in male CD-1 mice in 3 other studies – some with higher doses, female mice had variable response: 0,2,0,1 in control, low-, mid- and high-dose groups), this tumor is observed spontaneously particularly in males. |
| Arysta Life Sciences (1997) [cited in Greim 2015] | ICR-CD-1 | 0,1600,8000,40000 ppm (diet)                                            | 180 months | No statistically significant. | Not provided               |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Nufarm (2009b) [cited in Greim 2015]              | CD-1     | 0,500,1500,5000 ppm (diet)                                              | 18 months  | Lung adenocarcinoma           | 10,10,14,22%               | Not treatment related: not significant pairwise, within historical control range (1.43-26%), not seen in other studies in the same strain at higher doses and longer duration,                                                                                                                                                                                                                                                                   |
|                                                   |          |                                                                         |            | Malignant lymphoma            | 0,2,4,10%                  | Not treatment related: historical controls range from 1.5-21.7% and average                                                                                                                                                                                                                                                                                                                                                                      |



|  |  |  |  |  |  |                                                                  |
|--|--|--|--|--|--|------------------------------------------------------------------|
|  |  |  |  |  |  | 4.5% (based on two publications), not observed in other studies. |
|--|--|--|--|--|--|------------------------------------------------------------------|

**From:** Birchfield, Norman  
**Location:** DCRoomPYN7661-South/ORD-NCEA-DC;  
**Importance:** High  
**Subject:** Canceled: Glyphosate check in - epi  
**Start Date/Time:** Mon 11/16/2015 3:30:00 PM  
**End Date/Time:** Mon 11/16/2015 4:00:00 PM

Call in Ex. 6 - Personal Privacy conf code Ex. 6 - Personal Privacy

This meeting is primarily to have Glinda and Dannelle exchange info about the OPP glyphosate risk assessment. Glinda is reading the OPP assessment and CARC report and Dannelle provided some support to the CARC for glyphosate.

**From:** Birchfield, Norman  
**Location:** DCRoomPYN7100-River/ORD-NCEA-DC  
**Importance:** Normal  
**Subject:** Glyphosate check in - epi  
**Start Date/Time:** Tue 11/17/2015 3:00:00 PM  
**End Date/Time:** Tue 11/17/2015 3:30:00 PM

Call in Ex. 6 - Personal Privacy conf code: Ex. 6 - Personal Privacy

This meeting is primarily to have Glinda and Dannelle exchange info about the OPP glyphosate risk assessment. Glinda is reading the OPP assessment and CARC report and Dannelle provided some support to the CARC for glyphosate.

**To:** Flowers, Lynn[Flowers.Lynn@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Tue 11/10/2015 3:03:11 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

More on glyphosate.

**From:** Fegley, Robert  
**Sent:** Thursday, November 05, 2015 2:44 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Cc:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI.

**From:** Crofton, Kevin  
**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Flowers, Lynn[Flowers.Lynn@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Tue 11/10/2015 3:01:39 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI – more info on ORD activities and perspectives on glyphosate.

**From:** McQueen, Jacqueline  
**Sent:** Thursday, November 05, 2015 2:47 PM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

One more piece of information that came from Charles Wood in NHEERL:

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

## Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: [wood.charles@epa.gov](mailto:wood.charles@epa.gov)

Phone: 919-541-1171

**From:** Fegley, Robert  
**Sent:** Thursday, November 05, 2015 2:44 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>  
**Cc:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI.

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**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>; Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate



Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

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**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Flowers, Lynn[Flowers.Lynn@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Mon 11/9/2015 12:57:58 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Comments on CARC report from Matt Martin ORD NCCT FINAL.DOCX

FYI

**From:** McQueen, Jacqueline  
**Sent:** Friday, November 06, 2015 10:46 AM  
**To:** Vandenberg, John <Vandenberg.John@epa.gov>  
**Cc:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

One more piece of information. I am cc:ing Vince because I don't know if Norm had a chance to share this within NCEA yet.

Jackie

**From:** Crofton, Kevin  
**Sent:** Thursday, November 05, 2015 2:39 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

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Deputy Director

National Center for Computational Toxicology

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phone +1-919-541-2672

cell +1-919-475-0871

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**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

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**To:** Flowers, Lynn[Flowers.Lynn@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Mon 11/9/2015 12:57:19 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Review of conflicting glyphosate assessments Egeghy.docx

FYI

**From:** McQueen, Jacqueline  
**Sent:** Friday, November 06, 2015 9:49 AM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

See attached for Peter Egeghy's review.

Jackie

**From:** McQueen, Jacqueline  
**Sent:** Thursday, November 05, 2015 2:47 PM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Birchfield, Norman <Birchfield.Norman@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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Hi Jackie,

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## Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: [wood.charles@epa.gov](mailto:wood.charles@epa.gov)

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**Sent:** Thursday, November 05, 2015 2:44 PM

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**Cc:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
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**Cc:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie

Matt reviewed this for NCCT. His review is attached.

Don't hesitate to ask if you have questions or want more details.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Meadows, Leslie[Meadows.Leslie@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Wed 11/4/2015 4:31:25 PM  
**Subject:** Fwd: Draft Human Health Risk Assessment for Glyphosate

Sent from my iPhone

Begin forwarded message:

**From:** "Cogliano, Vincent" <cogliano.vincent@epa.gov>  
**Date:** November 3, 2015 at 6:27:56 PM EST  
**To:** "Birchfield, Norman" <Birchfield.Norman@epa.gov>, "Jones, Samantha" <Jones.Samantha@epa.gov>, "Perovich, Gina" <Perovich.Gina@epa.gov>, "Flowers, Lynn" <Flowers.Lynn@epa.gov>, "Ross, Mary" <Ross.Mary@epa.gov>, "Vandenberg, John" <Vandenberg.John@epa.gov>, "Berner, Ted" <Berner.Ted@epa.gov>, "D'Amico, Louis" <DAmico.Louis@epa.gov>, "Olden, Kenneth" <Olden.Kenneth@epa.gov>, "Bussard, David" <Bussard.David@epa.gov>, "Gatchett, Annette" <Gatchett.Annette@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman

**Sent:** Tuesday, November 03, 2015 1:37 PM

**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

(202) 564-6639

**To:** Meadows, Leslie[Meadows.Leslie@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Wed 11/4/2015 4:00:01 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
417300 2015-10-01 TXR0057299.pdf  
Glyphosate Draft Final Risk assessment - 2-Nov-2015 (II).docx

FYI

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb  
<Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene  
<Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>;  
Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process



# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Wed 11/4/2015 12:08:43 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

FYI

**From:** Cogliano, Vincent  
**Sent:** Tuesday, November 03, 2015 6:28 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Gatchett, Annette[Gatchett.Annette@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Tue 11/3/2015 8:49:47 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

## Ex. 6 - Personal Privacy

**From:** Gatchett, Annette  
**Sent:** Tuesday, November 03, 2015 3:48 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Norm,

## Ex. 6 - Personal Privacy

Annette Gatchett

Division Director

NCEA Cincinnati

513-569-7697

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]; Jones, Samantha[Jones.Samantha@epa.gov]; Perovich, Gina[Perovich.Gina@epa.gov]; Flowers, Lynn[Flowers.Lynn@epa.gov]; Ross, Mary[Ross.Mary@epa.gov]; Vandenberg, John[Vandenberg.John@epa.gov]; Berner, Ted[Berner.Ted@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]; Olden, Kenneth[Olden.Kenneth@epa.gov]; Bussard, David[Bussard.David@epa.gov]; Gatchett, Annette[Gatchett.Annette@epa.gov]  
**From:** Birchfield, Norman  
**Sent:** Tue 11/3/2015 6:37:29 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
[417300 2015-10-01 TXR0057299.pdf](#)  
[Glyphosate Draft Final Risk assessment - 2-Nov-2015 \(II\).docx](#)

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**From:** Perron, Monique  
**Location:** DCRoomPYS10771/Potomac-Yard-One  
**Importance:** Normal  
**Subject:** glyphosate  
**Start Date/Time:** Tue 9/1/2015 3:30:00 PM  
**End Date/Time:** Tue 9/1/2015 4:00:00 PM

## **Ex. 5 - Deliberative Process**

**To:** Morton, Thurston[Morton.Thurston@epa.gov]  
**From:** Bloem, Thomas  
**Sent:** Mon 7/27/2015 11:45:33 AM  
**Subject:** Re: Glyphosate canola use expansion; D# 503147

None

---

**From:** Morton, Thurston  
**Sent:** Monday, July 27, 2015 7:43 AM  
**To:** Bloem, Thomas  
**Subject:** FW: Glyphosate canola use expansion; D# 503147

Tom,

## Ex. 5 - Deliberative Process

Thanks,

Thurston

**From:** Benbow, Bethany  
**Sent:** Monday, July 27, 2015 7:14 AM  
**To:** Morton, Thurston; Louie-Juzwiak, Rosanna  
**Subject:** Glyphosate canola use expansion; D# 503147  
**Importance:** High

Good morning Thurston and Rosanna,

I just realized that today is the 90-day tech. screen date for this R350 action :S

## Ex. 5 - Deliberative Process

Thanks,

Beth

**Beth Benbow**

Risk Manager | Herbicide Branch | Registration Division

Office of Pesticide Programs | U.S. Environmental Protection Agency

(703) 347-8072 | [www2.epa.gov/pesticide-registration](http://www2.epa.gov/pesticide-registration)

**To:** Brunsman, Lori[Brunsmann.Lori@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Mon 9/28/2015 3:39:00 PM  
**Subject:** RE: Glyphosate

Thanks, LB

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Monday, September 28, 2015 11:30 AM  
**To:** Rowland, Jess  
**Subject:** Re: Glyphosate

Jess -

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch*

Health Effects Division  
Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

Environmental Protection Agency  
One Potomac Yard S-10934

[brunsman.lori@epa.gov](mailto:brunsman.lori@epa.gov)  
703-308-2902

*"When you have more than you need, build a longer table, not a higher fence."*

---

**From:** Rowland, Jess

**Sent:** Sunday, September 27, 2015 9:02 PM

**To:** Akerman, Gregory; Brunsman, Lori; Chen, Jonathan; Dunbar, Anwar; Kent, Ray; Liccione, John; Lobdell, Danelle; Middleton, Karlyn; McCarroll, Nancy; Wood, Charles

**Subject:** Glyphosate

Greg et al.,

## Ex. 5 - Deliberative Process

Thanks to Greg, we have made all the necessary revisions.

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Thanks for all your help; special thanks to the valuable contributions by Charles and Danelle.

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719





**To:** Brunsman, Lori[Brunsmann.Lori@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Thur 9/17/2015 2:35:09 PM  
**Subject:** Glyphosate

HI LB

## Ex. 5 - Deliberative Process

Thanks

"The incidence of renal tubular-cell neoplasms as determined by the PWG is presented in Table I. Because differentiation between tubular-cell adenoma and tubular-cell carcinoma is not always clearly apparent and because both lesions are derived from the same cell type it is appropriate to combine the incidences for purposes of evaluation and statistical analysis."

Table. Male Mouse Renal Tumors in the 1983 Mouse Study

|                        | Control | 1000 ppm | 5000 ppm | 30,000 ppm |
|------------------------|---------|----------|----------|------------|
| Tubular cell adenoma   | 1       | 0        | 0        | 1          |
| Tubular cell carcinoma | 0       | 0        | 1        | 2          |
| Combined incidence     | 1       | 0        | 1        | 3          |

This PWG firmly believes and unanimously concurs with the original pathologist and reviewing pathologist that the incidences of renal tubular-cell neoplasms in

this study are not compound related."

None of the treatment groups differed from the controls by the Fisher exact test at the 0.05 level of significance. Over all groups there was no evidence of a significant linear trend at the 0.05 level by a one-tailed Cochran-Armitage Test."

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Wed 9/23/2015 4:24:38 PM  
**Subject:** RE: Glyphosate

OK. Thanks!

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer**  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*brunsman.lori@epa.gov  
703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Wednesday, September 23, 2015 12:22 PM  
**To:** Brunsman, Lori; Kidwell, Jessica  
**Subject:** RE: Glyphosate

Hi LB

Thanks. No hurry for QA. Can be done next week. This is more for documentation so not time sensitive.

JR

Sent from my Windows Phone

---

**From:** Brunzman, Lori  
**Sent:** 9/23/2015 12:17 PM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate

Jess –

Attached is the draft Glyphosate qual memo I sent to Jessica for QA. With all of the heartburn over the final CARC draft on the Sharepointless site, I don't know if she'll get the QA of the qual memo done before I leave at 2:00 today.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunzman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunzman.lori@epa.gov*  
*703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Friday, September 18, 2015 11:53 AM  
**To:** Brunzman, Lori  
**Subject:** Glyphosate  
**Importance:** High

LB

Don't know if u r working at home or compressed. IF either, can u please do this for me Monday

## **Ex. 5 - Deliberative Process**

1983 – Male Mouse – Renal tumors (you did yesterday) Accession No. 251007

1993 – Male Mouse – Hemangiosarcomas (Atkinson et al, 1993) MRID No. 49631702

2009 – Male Mouse – Lung adenocarcinoma and malignant lymphoma (Nufarm, 2009); no MRID No. Greim et al., 20015).

2001 – Male Rat – Liver adenomas (Syngenta 2001; MRID No. 49704601

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Wed 9/23/2015 4:17:21 PM  
**Subject:** RE: Glyphosate  
417300.15l.doc

Jess –

Attached is the draft Glyphosate qual memo I sent to Jessica for QA. With all of the heartburn over the final CARC draft on the Sharepointless site, I don't know if she'll get the QA of the qual memo done before I leave at 2:00 today.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
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*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

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**From:** Rowland, Jess  
**Sent:** Friday, September 18, 2015 11:53 AM  
**To:** Brunsman, Lori  
**Subject:** Glyphosate  
**Importance:** High

LB

Don't know if u r working at home or compressed. IF either, can u please do this for me Monday

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Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719



**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Thur 9/17/2015 6:08:28 PM  
**Subject:** RE: Glyphosate

I don't know about available funds in the chemistry contract; Tammy and I only talked about funding for Summitec. I think the chemistry contract is Versar. That would be a question for Kelly Lowe.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 2:07 PM  
**To:** Brunsman, Lori  
**Subject:** RE: Glyphosate

What I was asking,...if there \$ in the chem contract at present to send work

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Thursday, September 17, 2015 2:05 PM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate

I have no idea about money for chemistry work. There were no specific contracts talked about in the main meeting, just Tammy and I talked after everybody else left.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 1:56 PM  
**To:** Brunsman, Lori  
**Subject:** RE: Glyphosate

Thanks.

## Ex. 5 - Attorney Client

BTW, did we run out \$ for the chemistry contract. Someone, think, Thurgood, asked if we have \$ to send chemistry work

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Thursday, September 17, 2015 1:39 PM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Lori

\*\*\*\*\*

*Lori Brunzman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)  
703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 1:18 PM  
**To:** Brunzman, Lori  
**Subject:** RE: Glyphosate

LB

Great thanks.

What happened at the contractgs meeting. Send me a summary/bottom line please

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunzman, Lori  
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**Subject:** RE: Glyphosate

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunzman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
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*[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)  
703-308-2902*

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**From:** Rowland, Jess

**Sent:** Thursday, September 17, 2015 10:35 AM  
**To:** Brunsman, Lori  
**Subject:** Glyphosate  
**Importance:** High

HI LB

## Ex. 5 - Deliberative Process

Thanks

"The incidence of renal tubular-cell neoplasms as determined by the PWG is presented in Table I. Because differentiation between tubular-cell adenoma and tubular-cell carcinoma is not always clearly apparent and because both lesions are derived from the same cell type it is appropriate to combine the incidences

for purposes of evaluation and statistical analysis."

Table. Male Mouse Renal Tumors in the 1983 Mouse Study

|                        | Control | 1000 ppm | 5000 ppm | 30,000 ppm |
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| Tubular cell carcinoma | 0       | 0        | 1        | 2          |
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This PWG firmly believes and unanimously concurs with the original pathologist

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None of the treatment groups differed from the controls by the Fisher exact test at the 0.05 level of significance. Over all groups there was no evidence of a significant linear trend at the 0.05 level by a one-tailed Cochran-Armitage Test."

JR

2

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Thur 9/17/2015 6:04:32 PM  
**Subject:** RE: Glyphosate

I have no idea about money for chemistry work. There were no specific contracts talked about in the main meeting, just Tammy and I talked after everybody else left.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

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**Subject:** RE: Glyphosate

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## **Ex. 5 - Deliberative Process**

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Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Thursday, September 17, 2015 1:39 PM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate

# Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

**Lori Brunzman, Statistician and Project Officer**  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

Environmental Protection Agency  
One Potomac Yard S-10934

[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)  
703-308-2902

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**To:** Brunzman, Lori  
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Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunzman, Lori  
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## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunzman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)  
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**To:** Brunzman, Lori  
**Subject:** Glyphosate  
**Importance:** High

HI LB

# Ex. 5 - Deliberative Process

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JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Thur 9/17/2015 5:38:32 PM  
**Subject:** RE: Glyphosate

# Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

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**From:** Rowland, Jess  
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**To:** Brunsman, Lori  
**Subject:** RE: Glyphosate

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JR

Jess Rowland,  
  
Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Thursday, September 17, 2015 1:13 PM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

**Lori Brunzman, Statistician and Project Officer**  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

Environmental Protection Agency  
One Potomac Yard S-10934

[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)  
703-308-2902

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**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 10:35 AM  
**To:** Brunzman, Lori  
**Subject:** Glyphosate  
**Importance:** High

HI LB

## Ex. 5 - Deliberative Process

Thanks

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JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunzman, Lori  
**Sent:** Thur 9/17/2015 5:13:07 PM  
**Subject:** RE: Glyphosate

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunzman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*brunzman.lori@epa.gov  
703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 10:35 AM  
**To:** Brunzman, Lori  
**Subject:** Glyphosate  
**Importance:** High

HI LB

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Thur 9/17/2015 5:11:08 PM  
**Subject:** RE: Glyphosate  
Male Mouse Renal Tubular TRENDS.OUT.txt

Jess –

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*brunsman.lori@epa.gov  
703-308-2902*

*“When you have more than you need, build a longer table, not a higher fence.”*

**From:** Rowland, Jess  
**Sent:** Thursday, September 17, 2015 10:35 AM  
**To:** Brunsman, Lori  
**Subject:** Glyphosate  
**Importance:** High

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Kidwell, Jessica[kidwell.jessica@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Tue 9/15/2015 11:44:33 AM  
**Subject:** RE: Glyphosate CARC Package

Sorry!

## Ex. 6 - Personal Privacy

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

*"When you have more than you need, build a longer table, not a higher fence."*

**From:** Kidwell, Jessica  
**Sent:** Monday, September 14, 2015 8:06 AM  
**To:** Brunsman, Lori  
**Subject:** RE: Glyphosate CARC Package

Hi Lori: Can you email me the documents? I can't get into LN from home for some reason.

Thanks, Jessica



**From:** Brunzman, Lori

**Sent:** Wednesday, September 09, 2015 1:58 PM

**To:** Akerman, Gregory; Brunzman, Lori; Chen, Jonathan; Dunbar, Anwar; Kent, Ray; Kidwell, Jessica; Liccione, John; McCarroll, Nancy; Middleton, Karlyn; OPP HED Notes Coordinators; Rowland, Jess; Shah, Pv; Woo, Yintak; Wood, Charles; Lobdell, Danelle; Morton, Thurston; Smith, Charles

**Subject:** Glyphosate CARC Package

The Glyphosate CARC package is now on the Lotus Notes database.

Please let me know if you cannot access it and I will email you the documents.

**REMINDER:** the Glyphosate CARC meeting is an **ALL-DAY** meeting (9:00 am to 4:00 pm) next **Wednesday, September 16, 2015**, in room S-10100.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunzman, Statistician and Project Officer***

*Science Information Management Branch*

*Health Effects Division*

*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*

*One Potomac Yard S-10934*

[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)

703-308-2902

*"When you have more than you need, build a longer table, not a higher fence."*

**CASWELL FILE**

TXR # 0001425

**OPP OFFICIAL RECORD  
HEALTH EFFECTS DIVISION  
SCIENTIFIC DATA REVIEWS  
EPA SERIES 361**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

PC  
417300

FEB 18 1982

NOEL  
changed  
3 → 31 mg/kg  
Kaya

**SPECIAL**OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCESMEMORANDUM

DATE: February 9, 1982

SUBJECT: EPA Reg.#524-308; Lifetime Feeding Study in Rats with Glyphosate  
CASWELL#661A Accession#246617-21

FROM: William Dykstra, Toxicologist  
Toxicology Branch/HED (TS-769)

TO: Robert Taylor (25)  
Registration Division (TS-767)

WDD, A.K.

LOC  
2/9/82

Recommendation:

1) The study is acceptable as Core-Minimum Data. The oncogenic potential is negative. The NOEL for chronic toxicity is the low-dose of 3.0 mg/kg/day.

Review:

- 1) A Lifetime Feeding Study of Glyphosate in Rats (Bio/dynamics Project No. 77-2062; 9/18/81)

Test Material: Glyphosate (technical); 98.7% a.i.; fine white powder;  
Lot#XHJ-64

Four groups of 50/sex/group, corresponding to controls, low-dose group, mid-dose group and high-dose group were employed in the study. The dosage level of test-material administered to each group was 0 (controls, Group 1) 30 ppm (low-dose, Group 2) 100 ppm (mid-dose Group 3) and 300 ppm (high-dose, Group 4) during the first week of the study. For the remainder of the study, dose levels of 3.05, 10.30 and 31.49 mg/kg/day for the males and 3.37, 11.22 and 34.02 mg/kg/day for the females were maintained. Termination occurred at 26 months (until survival had decreased to 30% in one group per sex).

-2-

All rats were observed twice daily for mortality and toxic signs and given a detailed physical examination each week throughout the study. Body weights and food consumption were determined at pretest, weekly through 14 weeks and biweekly thereafter. Water consumption was determined for 10 rats/sex/group for two separate three-day periods at 18 and 24 months.

The following clinical parameters were determined for 10 rats/sex/group at 4, 8, 12, 18 and 24 months: hematology included hemoglobin, hematocrit, erythrocytes, platelets, and total and differential leucocytes; blood biochemistry parameters included serum glutamic oxaloacetic transaminase, serum glutamic pyruvic transaminase, alkaline phosphatase, lactic acid dehydrogenase, blood urea nitrogen, fasting glucose, cholesterol, total protein, albumin, globulin, total and direct bilirubin, potassium and calcium; urinalysis included gross appearance, specific gravity, pH, protein, glucose, ketones, bilirubin, occult blood and microscopic analysis.

Complete necropsies were performed on all rats that died or were sacrificed during or at the end of the study. Organ weights were recorded for adrenals, brain, heart, kidneys, liver, testes/ovaries, pituitary, spleen and thyroid. Microscopic examination of the following tissues was performed for all treated and control rats: abdominal aorta, adrenals, blood smear, bone, bone marrow, brain (3 sections), epididymides, esophagus, eyes with optic nerve and harderian glands, gonads, heart, cecum, colon, duodenum, ileum, jejunum, kidneys, liver, lungs (with bronchi), lymph nodes, mammary gland, nerve (sciatic), pancreas, parathyroid, pituitary, prostate, salivary gland, skeletal muscle, seminal vesicles, skin, spinal cord (cervical), spleen, stomach, thymus, thyroid, trachea, urinary bladder, uterus, gross lesions, tissue masses or suspect tumors. Three coronal sections through the head and a section of thoracic spinal cord from ten males and ten females of each group were also examined microscopically.

#### Results:

Survival was unaffected by treatment. Survival was greater than 50% for each sex of each group at 18 months.

Decreased body weight gains, although not statistically significant, were seen in treated males beginning at week 26 and continuing to week 102. The decreases reached 6% for high-dose males at week 74 and 2-3% for mid- and low-dose males during this growth period. Decreased body weight gains were statistically significantly (10-15%) reduced in the low- and mid-dose female rats from weeks 84 to 92.

No dose-response relationship was present in the decreased body weight gains in female rats. The changes in body weight did not affect survival.

Food consumption showed a few significant changes in males and females, but overall food consumption was unaffected by treatment.

-3-

Water consumption for males and females did not show a treatment-related effect.

Hematology, clinical chemistry, and urinalyses values of treated male and female rats were comparable to controls.

Absolute organ weights and relative organ weights of male and female treated rats were comparable to controls.

The results of gross necropsy did not reveal any treatment-related findings.

Microscopic examination revealed lymphocytic hyperplasia of the thymus occurring at statistically significant incidences in the mid- and high-dose female rats.

Another non-neoplastic lesion occurring at increased incidence was focal vacuolation of the liver in high-dose male rats.

Other microscopic findings in male and female treated rats were comparable to their respective controls.

Neoplastic lesions were comparable between the controls and treated groups.

However, the interstitial cell tumor in the testis of male rats was observed in the following groups as showed below:

Group I (control) 0/50  
Group II (low-dose) 3/50  
Group III (mid-dose) 1/50  
Group IV (high-dose) 6/50

The occurrence of testicular interstitial tumors of 12% (6/50) in the high-dose group is statistically significant ( $p = 0.013$ ).

To further examine these results, the historical control data for interstitial cell tumor of the testes were compiled. These control data include only those lifetime feeding studies with Charles River Sprague-Dawley rats conducted by Bio/dynamics Inc. which were tested concurrently with the present study, i.e., were completed within nine months of termination of the present study, and lasted at least 24 months. For all male animals on test (Table IV, page 10, Vol. 1), the high-dose group incidence in the present study of 12% (6/50) was slightly higher than the highest-concurrent control incidence of 7% (5/75) and higher than the overall incidence of 4.5% (24/535).

We agree with the interpretation of the testicular tumors given by Experimental Pathology Laboratories pathologist, Dr. Martin G. Strobl, (Vol. 2, page 4), who states:

-4-

"The significance, if any, of the 12% incidence of interstitial cell tumor in the testis in the high dose group of male rats in this study in comparison to the control group is not known. It may represent a biological variation in this strain of rats. The incidence of interstitial cell tumor in the testis in Group II and Group III of this study was similar to the incidence observed in the control groups of male rats in the other concurrent studies and did not appear to be related to the administration of the test compound in this study."

Conclusion:

Oncogenic potential is negative. The NOEL for chronic toxicity is 3.0 mg/kg/day (low-dose).

Classification: Core-Minimum Data

*changed as per L. Kasper  
EPL/BD → 31 mtd*

TS-769:th:TOX/HED:WDykstra:2-8-82:card #6

## Test for Significance of Differences Between Proportions 2/5/82

## Lymphocytic hyperplasia

| ppm     | #  | RESP | Total | %     | +/-2(S.D.)  | One Tail P Statistic<br>Fisher's |
|---------|----|------|-------|-------|-------------|----------------------------------|
| 0.000   | 5  | 25   | 25    | 20.00 | +/- (17.63) |                                  |
| 30.000  | 13 | 32   | 32    | 40.63 | +/- (18.58) | 0.084                            |
| 100.000 | 18 | 37   | 37    | 48.65 | +/- (17.46) | 0.020                            |
| 300.000 | 17 | 34   | 34    | 50.00 | +/- (18.28) | 0.017                            |

Test for a linear trend is not significant

## Test for Significance of Differences Between Proportions 2/4/82

## Testicular tumors

| ppm     | # RESP | Total | % +/-2(S.D.)     | One Tail P Statistic<br>Fisher's |
|---------|--------|-------|------------------|----------------------------------|
| 0.000   | 0      | 50    | 0.00+/- ( 1.00)  |                                  |
| 30.000  | 3      | 50    | 6.00+/- ( 7.58)  | 0.121                            |
| 100.000 | 1      | 50    | 2.00+/- ( 4.38)  | 0.500                            |
| 300.000 | 6      | 50    | 12.00+/- (10.01) | 0.013                            |

Test for Linear Trend in Proportions P = 0.011

CASWELL FILE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

TO: Robert Taylor, PM#25  
Registration Division (TS-769)

SUBJECT: EPA Reg.#524-308; Lifetime Feeding Study in Rats  
with Glyphosate CASWELL#661A

Recommendation:

Further evaluation of the NOEL of the study in light of the submitted information indicates that the NOEL for chronic toxicity is 31 mg/kg/day (34 mg/kg/day, females) rather than 3.0 mg/kg/day as previously reported.

William Dykstra, Ph.D  
Toxicology Branch  
Hazard Evaluation Division (TS-769)

*WLD* *DC 4/8/82* *LH*



# Ex. 4 - CBI

# Ex. 4 - CBI

# Ex. 4 - CBI



13544

032727

**Chemical:** Glyphosate

**PC Code:** 417300  
**HED File Code** 13000 Tox Reviews  
**Memo Date:** 02/18/82  
**File ID:** 00000000  
**Accession Number:** 412-03-0107

**HED Records Reference Center**  
02/25/2003

**To:** Bob Ross Ex. 6 - Personal Privacy  
**From:** Brunsman, Lori  
**Sent:** Wed 9/2/2015 1:05:46 PM  
**Subject:** Tox Task #6-149  
[Task 6-149 Contractor Request.pdf](#)

Bob -

Attached is the contractor request form for Tox Task #6-149 for Glyphosate.

Please download the studies from Documentum.

This DER is in a HUGE RUSH!!!! We are having an all-day CARC meeting on Glyphosate on 9/16/15. Please get this DER done ASAP.

Thanks!

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Schlosser, Christopher[Schlosser.Christopher@epa.gov]; Dunbar, Anwar[Dunbar.Anwar@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Wed 5/6/2015 5:56:19 PM  
**Subject:** RE: Glyphosate Male Mouse Updated Tumor Counts  
Male Mouse Hemangiosarcoma Stats.docx

Jess –

Attached are the Glyphosate male mouse hemangiosarcoma stats in a Word doc for easy inclusion in the CARC document.

Have a great day!

Lori

\*\*\*\*\*

***Lori Brunsman, Statistician and Project Officer***  
*Science Information Management Branch*  
*Health Effects Division*  
*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*  
*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*

**From:** Rowland, Jess  
**Sent:** Wednesday, May 06, 2015 11:06 AM  
**To:** Brunsman, Lori  
**Subject:** RE: Glyphosate Male Mouse Updated Tumor Counts

LB

Thank you very much. Yes, please make your standard table for inclusion into the CARC document and send it to me

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Brunsman, Lori  
**Sent:** Wednesday, May 06, 2015 11:05 AM  
**To:** Rowland, Jess  
**Subject:** Glyphosate Male Mouse Updated Tumor Counts

Jess –

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency  
One Potomac Yard S-10934*

*brunsman.lori@epa.gov*  
*703-308-2902*



**To:** Miller, David[Miller.DavidJ@epa.gov]  
**Cc:** Jess Rowland[Rowland.Jess@epa.gov]; Christensen, Carol[Christensen.Carol@epa.gov]; Schlosser, Christopher[Schlosser.Christopher@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Wed 5/6/2015 5:36:44 PM  
**Subject:** RE: Glyphosate CARC Meeting

David -

No reply from Danelle Lobdell (there's no "l" in the first name, at least not in the Global Directory).

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer*

*Science Information Management Branch*

*Health Effects Division*

*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*

*One Potomac Yard S-10934*

*brunsman.lori@epa.gov*

*703-308-2902*

---

**From:** Miller, David  
**Sent:** Wednesday, May 06, 2015 1:07 PM  
**To:** Brunsman, Lori; Rowland, Jess; Christensen, Carol  
**Cc:** Schlosser, Christopher  
**Subject:** RE: Glyphosate CARC Meeting

Lori -- Has Daniell Lobdell responded to your invite to the June Glyphosate CARC meeting?

Carol - have you communicated with Danielle on this directly?

David.

---

**From:** Brunsman, Lori  
**Sent:** Wednesday, April 29, 2015 7:32 AM  
**To:** Rowland, Jess; Christensen, Carol; Miller, David  
**Cc:** Schlosser, Christopher  
**Subject:** RE: Glyphosate CARC Meeting

I have invited Danelle Lobdell to the Glyphosate CARC meeting.

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer*

*Science Information Management Branch*

*Health Effects Division*

*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*

*One Potomac Yard S-10934*

*[brunsman.lori@epa.gov](mailto:brunsman.lori@epa.gov)*

*703-308-2902*

---

**From:** Rowland, Jess

**Sent:** Wednesday, April 29, 2015 7:11 AM

**To:** Christensen, Carol; Miller, David

**Cc:** Schlosser, Christopher; Brunsman, Lori

**Subject:** RE: Glyphosate CARC Meeting

Hi Carol

I discussed this with David. Here is the plan for the CARC meeting

You will prepare a "briefing document" summarizing the available Epi studies and providing your "conclusions" of these studies. In that document, you will also bring in the IARC's review, discussion, conclusion and their rationale.

You will also have the publications (articles) as your background materials

You will submit these to Chris Schlosser (Ex.Sec) on June 10<sup>th</sup>.

The second half of the "briefing document" will have the animal evidence. Which will be prepared by me/Anwar Dunbar

The members will receive this document along with the DERs and the epi.lit.articles for their review on the 11<sup>th</sup>. (2 weeks prior to the meeting)

Subject matter expertise from the agency can participate in CARC meeting to provide their expertise, so go ahead and invite Mr. Lobdel. He can be in person, or we can "pipe-in" him, as we do with our pathologist from RTP.

If you have Q's pl. stop by or catch me when you see merunning around like a mad man!!

Regards

JR

Jess Rowland,  
Deputy Director  
Health Effects Division  
703-308-2719

-----Original Appointment-----

**From:** Christensen, Carol **On Behalf Of** Brunsman, Lori  
**Sent:** Tuesday, April 28, 2015 11:27 AM  
**To:** Rowland, Jess; Miller, David; Smith, Charles  
**Subject:** FW: Glyphosate CARC Meeting  
**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** DCRoomPYS10100/Potomac-Yard-One

## Ex. 5 - Deliberative Process

Let me know, I would be happy to prepare whatever materials the CARC desires to inform this conversation.

Thanks,

Carol

-----Original Appointment-----

**From:** Brunsman, Lori  
**Sent:** Tuesday, April 28, 2015 8:51 AM  
**To:** Brunsman, Lori; Schlosser, Christopher; Miller, David; Christensen, Carol; Sarkar, Bayazid; Shah, Aruna; Tao, Jenny; OPP HED CARC  
**Cc:** Kidwell, Jessica  
**Subject:** Glyphosate CARC Meeting  
**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** DCRoomPYS10100/Potomac-Yard-One



**To:** Rowland, Jess[Rowland.Jess@epa.gov]; Christensen, Carol[Christensen.Carol@epa.gov]; Miller, David[Miller.DavidJ@epa.gov]  
**Cc:** Schlosser, Christopher[Schlosser.Christopher@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Wed 4/29/2015 11:32:23 AM  
**Subject:** RE: Glyphosate CARC Meeting

I have invited Danelle Lobdell to the Glyphosate CARC meeting.

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs  
Office of Chemical Safety and Pollution Prevention  
Environmental Protection Agency  
One Potomac Yard S-10934  
brunsman.lori@epa.gov  
703-308-2902*

---

**From:** Rowland, Jess  
**Sent:** Wednesday, April 29, 2015 7:11 AM  
**To:** Christensen, Carol; Miller, David  
**Cc:** Schlosser, Christopher; Brunsman, Lori  
**Subject:** RE: Glyphosate CARC Meeting

Hi Carol

I discussed this with David. Here is the plan for the CARC meeting  
You will prepare a "briefing document" summarizing the available Epi studies and providing your "conclusions" of these studies. In that document, you will also bring in the IARC's review, discussion, conclusion and their rationale.  
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Subject matter expertise from the agency can participate in CARC meeting to provide their expertise, so go ahead and invite Mr. Lobdel. He can be in person, or we can "pipe-in" him, as we do with our pathologist from RTP.

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Regards

JR

Jess Rowland,  
Deputy Director  
Health Effects Division  
703-308-2719

-----Original Appointment-----

**From:** Christensen, Carol **On Behalf Of** Brunsman, Lori

**Sent:** Tuesday, April 28, 2015 11:27 AM

**To:** Rowland, Jess; Miller, David; Smith, Charles

**Subject:** FW: Glyphosate CARC Meeting

**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** DCRoomPYS10100/Potomac-Yard-One

## Ex. 5 - Deliberative Process

Let me know, I would be happy to prepare whatever materials the CARC desires to inform this conversation.

Thanks,

Carol

-----Original Appointment-----

**From:** Brunsman, Lori

**Sent:** Tuesday, April 28, 2015 8:51 AM

**To:** Brunsman, Lori; Schlosser, Christopher; Miller, David; Christensen, Carol; Sarkar, Bayazid; Shah, Aruna; Tao, Jenny; OPP HED CARC

**Cc:** Kidwell, Jessica

**Subject:** Glyphosate CARC Meeting

**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** DCRoomPYS10100/Potomac-Yard-One

**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Brunsman, Lori  
**Sent:** Tue 4/28/2015 5:33:05 PM  
**Subject:** RE: Meeting Forward Notification: Glyphosate CARC Meeting

Aha. It just looked like you had forwarded the meeting invitation to the 3 of them ... no further text was visible.

## Ex. 5 - Deliberative Process

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs  
Office of Chemical Safety and Pollution Prevention  
Environmental Protection Agency  
One Potomac Yard S-10934  
brunsman.lori@epa.gov  
703-308-2902*

---

**From:** Christensen, Carol  
**Sent:** Tuesday, April 28, 2015 1:31 PM  
**To:** Brunsman, Lori  
**Subject:** RE: Meeting Forward Notification: Glyphosate CARC Meeting

## Ex. 5 - Deliberative Process

---

**From:** Brunsman, Lori  
**Sent:** Tuesday, April 28, 2015 12:21 PM  
**To:** Christensen, Carol  
**Subject:** RE: Meeting Forward Notification: Glyphosate CARC Meeting

Carol -

In case you didn't know, Jess is co-chair of the CARC. He is automatically invited to every CARC meeting.

Have a great day!



Lori

\*\*\*\*\*

*Lori Brunzman, Statistician and Project Officer*

*Science Information Management Branch*

*Health Effects Division*

*Office of Pesticide Programs*

*Office of Chemical Safety and Pollution Prevention*

*Environmental Protection Agency*

*One Potomac Yard S-10934*

*[brunzman.lori@epa.gov](mailto:brunzman.lori@epa.gov)*

*703-308-2902*

-----Original Appointment-----

**From:** Microsoft Outlook **On Behalf Of** Christensen, Carol

**Sent:** Tuesday, April 28, 2015 11:27 AM

**To:** Brunzman, Lori

**Subject:** Meeting Forward Notification: Glyphosate CARC Meeting

**When:** Wednesday, June 24, 2015 2:30 PM-4:30 PM (UTC) Monrovia, Reykjavik.

**Where:** DCRoomPYS10100/Potomac-Yard-One

## Your meeting was forwarded

Christensen, Carol has forwarded your meeting request to additional recipients.

### Meeting

Glyphosate CARC Meeting

### Meeting Time

Wednesday, June 24, 2015 10:30 AM-12:30 PM.

### Recipients

Rowland, Jess

Miller, David

Smith, Charles

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

---

Sent by Microsoft Exchange Server 2016

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Sun 5/17/2015 5:09:58 PM  
**Subject:** RE: next steps

see below

---

From: Miller, David  
Sent: Friday, May 15, 2015 1:32 PM  
To: Christensen, Carol  
Subject: RE: next steps

Tx.

I spoke to Jess R. Here is what he thinks:

# Ex. 5 - Deliberative Process

-----Original Message-----  
From: Christensen, Carol  
Sent: Friday, May 15, 2015 9:56 AM  
To: Miller, David  
Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

# Ex. 5 - Deliberative Process

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

# Ex. 5 - Deliberative Process

Thanks

p.s. – I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. – I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David

Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete, and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

## Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with reflect to paperwork (but not epi) issues, ensuring things don't fall through the

cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS  
Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch Health Effects Division Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)  
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**To:** Miller, David[Miller.DavidJ@epa.gov]; Christensen, Carol[Christensen.Carol@epa.gov];  
Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Smith, Charles  
**Sent:** Mon 5/18/2015 2:29:09 PM  
**Subject:** RE: next steps

## Ex. 5 - Deliberative Process

Charles " Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs  
703-305-0291

-----Original Message-----

**From:** Miller, David  
**Sent:** Monday, May 18, 2015 10:15 AM  
**To:** Christensen, Carol; Rowland, Jess; Smith, Charles  
**Cc:** Vogel, Dana  
**Subject:** FW: next steps

Carol,

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Monday, May 18, 2015 9:19 AM  
**To:** Miller, David  
**Subject:** RE: next steps

Please see attached.

Comments welcome.

I will finalize Weds.

Thanks

Carol

---

From: Miller, David  
Sent: Friday, May 15, 2015 1:32 PM  
To: Christensen, Carol  
Subject: RE: next steps

Tx.

I spoke to Jess R. Here is what he thinks:

# Ex. 5 - Deliberative Process

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 9:56 AM  
To: Miller, David  
Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

# Ex. 5 - Deliberative Process

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

p.s. – I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

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Thanks, I will be on-line later today if you have other issues for me.

Carol

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Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

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Tx.

David.

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Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

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Tx.

David.

---

David J. Miller CAPT | USPHS  
Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch Health Effects Division Office of Pesticide  
Programs  
703-305-5352 (voice)  
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**To:** Christensen, Carol[Christensen.Carol@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov];  
Smith, Charles[Smith.Charles@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 2:15:14 PM  
**Subject:** FW: next steps  
GLY CARC prep MAY2015.docx

Carol,

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

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David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
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Hi David

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Carol

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ov/pesticides>>

**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Fri 5/15/2015 5:32:44 PM  
**Subject:** RE: next steps  
Glyphosate IARC review- comments on references -rjk DJM 2.docx

Tx.

I spoke to Jess R. Here is what he thinks:

# Ex. 5 - Deliberative Process

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To: Christensen, Carol  
Subject: RE: next steps

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# Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

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From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

# **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

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Carol

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---

David J. Miller CAPT | USPHS  
Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch Health Effects Division Office of Pesticide Programs

703-305-5352 (voice)

703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)<<http://www.epa.gov/pesticides>>



**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Thur 5/14/2015 10:34:38 PM  
**Subject:** RE: next steps

Thanks.

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

David.

**From:** Christensen, Carol  
**Sent:** Tuesday, May 12, 2015 1:08 PM  
**To:** Miller, David  
**Subject:** RE: next steps

Hi David

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## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

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Carol

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Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/12/2015 5:18:43 PM  
**Subject:** RE: next steps

Thanks. I checked my email just now and didn't see your response – but email was a bit quirky last week. I think I had problems late last week where the things I sent out didn't go out 'til the next day due to a password problem.

Thanks for what is below. Just what I wanted.

David.

**From:** Christensen, Carol  
**Sent:** Tuesday, May 12, 2015 1:08 PM  
**To:** Miller, David  
**Subject:** RE: next steps

HI David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

p.s. – I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. – I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.



Thanks, I will be on-line later today if you have other issues for me.

Carol

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 8:34 AM  
**To:** Christensen, Carol  
**Subject:** RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol

**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

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she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller   CAPT|USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
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Office of Pesticide Programs  
703-305-5352 (voice)  
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**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/12/2015 12:34:19 PM  
**Subject:** RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
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**Subject:** next steps

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**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Thur 5/7/2015 7:01:06 PM  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Wed 5/20/2015 12:38:23 PM  
**Subject:** RE: update

Thank you. Carol

---

**From:** Miller, David  
**Sent:** Tuesday, May 19, 2015 9:04 PM  
**To:** Christensen, Carol  
**Subject:** RE: update

Carol,

Here is an update on where things are re: next week.

## Ex. 5 - Deliberative Process

Perhaps we could talk a bit tomorrow about next week and your schedule, but it looks good for you to be able to take leave for most of those days.

Tx.

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Tuesday, May 19, 2015 10:11 AM  
**To:** Miller, David  
**Subject:** RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is

an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David

Sent: Tuesday, May 19, 2015 8:34 AM

To: Christensen, Carol

Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward

me and my work over the years.

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Tue 5/19/2015 2:11:04 PM  
**Subject:** RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

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Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

Carol,

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## Ex. 5 - Deliberative Process

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David.

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Subject: update

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Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Smith, Charles[Smith.Charles@epa.gov]; Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Mon 5/18/2015 7:12:03 PM  
**Subject:** RE: next steps

Billy -

## Ex. 5 - Deliberative Process

Carol

---

**From:** Smith, Charles  
**Sent:** Monday, May 18, 2015 10:29 AM  
**To:** Miller, David; Christensen, Carol; Rowland, Jess  
**Cc:** Vogel, Dana  
**Subject:** RE: next steps

## Ex. 5 - Deliberative Process

Charles "Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs  
703-305-0291

-----Original Message-----  
**From:** Miller, David  
**Sent:** Monday, May 18, 2015 10:15 AM  
**To:** Christensen, Carol; Rowland, Jess; Smith, Charles  
**Cc:** Vogel, Dana  
**Subject:** FW: next steps

Carol,

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Monday, May 18, 2015 9:19 AM  
To: Miller, David  
Subject: RE: next steps

Please see attached.

Comments welcome.

I will finalize Weds.

Thanks

Carol

---

From: Miller, David  
Sent: Friday, May 15, 2015 1:32 PM  
To: Christensen, Carol  
Subject: RE: next steps

Tx.

I spoke to Jess R. Here is what he thinks:

# Ex. 5 - Deliberative Process

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 9:56 AM  
To: Miller, David  
Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

# Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

p.s. – I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat

material review.

p.p.s. – I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David  
Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

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Tx.

David.

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Mon 5/18/2015 1:18:36 PM  
**Subject:** RE: next steps  
GLY CARC prep MAY2015.docx

Please see attached.

Comments welcome.

I will finalize Weds.

Thanks

Carol

---

From: Miller, David  
Sent: Friday, May 15, 2015 1:32 PM  
To: Christensen, Carol  
Subject: RE: next steps

Tx.

I spoke to Jess R. Here is what he thinks:

# Ex. 5 - Deliberative Process

-----Original Message-----

From: Christensen, Carol  
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Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process

Carol

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To: Christensen, Carol  
Subject: RE: next steps

Thanks.

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

David.

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To: Miller, David  
Subject: RE: next steps

Hi David

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Fri 5/15/2015 1:56:13 PM  
**Subject:** RE: next steps

Thanks David

# Ex. 5 - Deliberative Process

Carol

---

**From:** Miller, David  
**Sent:** Thursday, May 14, 2015 6:34 PM  
**To:** Christensen, Carol  
**Subject:** RE: next steps

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# Ex. 5 - Deliberative Process

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Fri 5/15/2015 1:37:47 PM  
**Subject:** RE: next steps

David

---

**From:** Miller, David  
**Sent:** Thursday, May 14, 2015 6:34 PM  
**To:** Christensen, Carol  
**Subject:** RE: next steps

Thanks.

## Ex. 5 - Deliberative Process

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**Subject:** RE: next steps

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Tue 5/12/2015 5:08:28 PM  
**Subject:** RE: next steps

Hi David

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**Subject:** next steps

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Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)

703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Christensen, Carol  
**Sent:** Thur 5/7/2015 7:11:47 PM  
**Subject:** RE: next steps

Thank you David. I will work on this. I appreciate your support.

Have you officially asked the new ITRMD HR center to start processing my SF52, per message sent yesterday? I know you are busy with lots of things but they need that apparently to define an end date/start date, from which I can then plan back from.

Thanks for your support,

Carol

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete, and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with reflect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller   CAPT | USPHS

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**From:** Christensen, Carol  
**Location:** DCRoomPYS10100/Potomac-Yard-One  
**Importance:** Normal  
**Subject:** FW: Glyphosate CARC Meeting  
**Start Date/Time:** Wed 6/24/2015 2:30:00 PM  
**End Date/Time:** Wed 6/24/2015 4:30:00 PM

# Ex. 5 - Deliberative Process

Let me know, I would be happy to prepare whatever materials the CARC desires to inform this conversation.

Thanks,

Carol

-----Original Appointment-----

**From:** Brunsman, Lori  
**Sent:** Tuesday, April 28, 2015 8:51 AM  
**To:** Brunsman, Lori; Schlosser, Christopher; Miller, David; Christensen, Carol; Sarkar, Bayazid; Shah, Aruna; Tao, Jenny; OPP HED CARC  
**Cc:** Kidwell, Jessica  
**Subject:** Glyphosate CARC Meeting  
**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** DCRoomPYS10100/Potomac-Yard-One

**To:** occ-env-med-l digest recipients[occ-env-med-l@listserv.unc.edu]  
**From:** bounce-37387276-62701352@listserv.unc.edu  
**Sent:** Thur 3/17/2016 4:26:32 AM  
**Subject:** occ-env-med-l digest: March 16, 2016

OCC-ENV-MED-L Digest for Wednesday, March 16, 2016.

1. =?Windows-1252?Q?what\_was\_that\_about\_Monsanto=92s\_open\_policy\_read\_yester?= =?Windows-1252?Q?day's\_story\_on\_Monsanto\_laundering\_money\_to\_a\_researcher?= =?Windows-1252?Q?\_to\_make\_it\_appear\_that\_his\_advocacy\_was\_unbiased?=  
2. =?Windows-1252?Q?RE:\_what\_was\_that\_about\_Monsanto=92s\_open\_policy\_read\_ye?= =?Windows-1252?Q?sterday's\_story\_on\_Monsanto\_laundering\_money\_to\_a\_resear?= =?Windows-1252?Q?cher\_to\_make\_it\_appear\_that\_his\_advocacy\_was\_unbiased?=  
3. DOT SPE Process Changes  
4. =?iso-8859-1?Q?AW:\_=5Bocc-env-med-l=5D\_RE:\_what\_was\_that\_about\_Monsanto's?= =?iso-8859-1?Q?\_open\_policy\_read\_yesterday's\_story\_on\_Monsanto\_laundering?= =?iso-8859-1?Q?\_money\_to\_a\_researcher\_to\_make\_it\_appear\_that\_his\_advocacy?= =?iso-8859-1?Q?\_was\_unbiased?=  
5. SEACOEM 2016 Symposium "SAVE THE DATE"  
6. Re: Fwd: Lung adenoCA & heavy metal (As, Cd, Cr) exposure

---

Subject: =?Windows-1252?Q?what\_was\_that\_about\_Monsanto=92s\_open\_policy\_read\_yester?= =?Windows-1252?Q?day's\_story\_on\_Monsanto\_laundering\_money\_to\_a\_researcher?= =?Windows-1252?Q?\_to\_make\_it\_appear\_that\_his\_advocacy\_was\_unbiased?=  
From: David Egilman

**Ex. 6 - Personal Privacy**

Date: Wed, 16 Mar 2016 12:54:05 +0000

X-Message-Number: 1

<https://www.wbez.org/shows/wbez-news/u-of-i-professor-did-not-disclose-gmo-funding/eb99bdd2-683d-4108-9528-de1375c3e9fb>

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David Egilman MD, MPH  
Clinical Professor Department of Family Medicine  
Brown University  
8 North Main Street  
Attleboro, Massachusetts 02703

Cell

Skype

Phone 508-226-5091 ext 11

Fax 425-699-7033

---

Subject: =?Windows-1252?Q?RE:\_what\_was\_that\_about\_Monsanto=92s\_open\_policy\_read\_ye?= =?Windows-1252?Q?sterday's\_story\_on\_Monsanto\_laundering\_money\_to\_a\_resear?= =?Windows-1252?Q?cher\_to\_make\_it\_appear\_that\_his\_advocacy\_was\_unbiased?=  
From: "GOLDSTEIN, DANIEL A [AG/1000]" <daniel.a.goldstein@monsanto.com>

Date: Wed, 16 Mar 2016 15:22:37 +0000

X-Message-Number: 2

David

- 1) Your comments are not particularly on topic as you will note that my comments relate to product safety research, but as you always take every available opportunity to throw stones, I will respond.
- 2) Those who wish to see Kevin Folta's viewpoint on funding- as well as many additional opinions- can find it readily on line. Be prepared to do a lot of reading.
- 3) FOIA can be an important tool- but is increasingly being used to harass academic researchers and institutions. I find it rather ironic that these groups criticize industry for trying to silence certain voices. This would appear to be a case of what my grandmother would call "the hydrant peeing on the dog".
- 4) Go tell Benbrook (a full time employee of organic consumer association now and in an academic extension position fully funded by organic consumers association before that- which he failed to disclose) and Landrigan (extensively funded by organic industry and affiliated companies) to start disclosing their conflict of interest in regards to recent publications regarding glyphosate and GMOs.

We can apply your logic if you wish: examples exist of corporate data manipulation. Therefore all corporate data should be disregarded. There also exist examples of academic data manipulation and manipulation by groups like Organic Consumers who love to pretend that they are anti- industry and anti-capitalist and that their members are small scale farmers with a red barn and a cow. They are a 262 billion dollar industry globally. Since examples of data manipulation by academics and environmental organizations exist, it is clear that their data should all be disregarded as well. Over-generalization may serve your interests, but evenly applied, this logic is a black hole.

Your response is a good example of why little progress has been or can be made in this arena, and item 4 is a good example of why we need to be concerned about such issues on all sides of the debate. I will stand behind the quality of our products and the data that supports their safe use. I will not claim to be implicitly on the moral high ground- we produce products that are useful and effective and can be safely used.

While you seem to like recurrently staking out the moral high ground as your own territory, I believe you may find it to be a very slippery place. I am familiar with the egregious story of asbestos. I am also familiar with the equally egregious stories of bendectin and breast implants- not to mention vaccines. You may also wish to look at the American Academy of Pediatrics' recent celebration of major advances in child health. You will note that with one exception (putting babies to sleep on their backs), every one of them was delivered by industry. Do you see an academic institution producing 10 million units of vaccine or 100,000 infant car seats? I don't.

The quotation on your e-mail is an interesting reflection of a viewpoint that is, if not nearsighted, only capable of seeing in one direction- are you sure that the statistics on reduction in mortality from heart disease, or the effectiveness of GPV immunization are indicative of human tragedy? I do agree that MORTALITY statistics are indeed a non-personal and intellectually sanitized version of information which lacks emotional content. Not all statistics convey bad news.

Maybe we should try collectively to generate quality data and use it thoughtfully, rather than throwing stones as a first response and at every available opportunity. When we have bothered to collect the facts, it has frequently answered the underlying question.

-dag

From: bounce-37383807-6839218@listserv.unc.edu [mailto:bounce-37383807-6839218@listserv.unc.edu] On Behalf Of David Egilman  
Sent: Wednesday, March 16, 2016 7:54 AM  
To: GOLDSTEIN, DANIEL A [AG/1000]  
Subject: [occ-env-med-l] what was that about Monsanto's open policy read yesterday's story on Monsanto laundering money to a researcher to make it appear that his advocacy was unbiased

<https://www.wbez.org/shows/wbez-news/u-of-i-professor-did-not-disclose-gmo-funding/eb99bdd2-683d-4108-9528-de1375c3e9fb>

[logo]

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---

Subject: DOT SPE Process Changes  
From: "Rochester, James" <[JRochester@worknetocccmed.com](mailto:JRochester@worknetocccmed.com)>  
Date: Wed, 16 Mar 2016 17:16:05 +0000  
X-Message-Number: 3

List members

This is an FYI for NRCME examiners who may have to refer driver for Skill Performance Evaluation (SPE)  
The process has been changed recently  
Driver completes SPE application packet <https://www.fmcsa.dot.gov/sites/fmcsa.dot.gov/files/docs/spe-certificate-package.pdf>  
Need to give driver copy of the exam (long form). It needs to be submitted with the application packet by the driver  
FMCSA examiner will get in touch with driver to set up road test at the employer location. No need for driver to go to testing center.  
Process currently taking about 6-8 weeks.  
Jim

James A. Rochester, MD, FAAFP  
Medical Director  
Worknet Occupational Medicine  
Lancaster, PA  
Ephrata, PA

---

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Subject: =?iso-8859-1?Q?AW:\_=5Bocc-env-med-l=5D\_RE:\_what\_was\_that\_about\_Monsanto's?= =?iso-8859-1?Q?\_open\_policy\_read\_yesterday's\_story\_on\_Monsanto\_launders?= =?iso-8859-1?Q?\_money\_to\_a\_researcher\_to\_make\_it\_appear\_that\_his\_advocacy?= =?iso-8859-1?Q?\_was\_unbiased?=  
From: "Herbert Manser" {  
Date: Wed, 16 Mar 2016 19:40:20 +0100  
X-Message-Number: 4

**Ex. 6 - Personal Privacy**

dag

We know this kind of communication, there are nothing that must be add

Herbert

--

Herbert Manser

<<http://www.riskcare.ch/>> riskCare.ch

Beratungen zu Risiko und Sicherheit

St. Galler-Ring 97

CH-4055 Basel

call {  
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**Ex. 6 - Personal Privacy**

Von: bounce-37384560-64571565@listserv.unc.edu  
[mailto:bounce-37384560-64571565@listserv.unc.edu] Im Auftrag von GOLDSTEIN,  
DANIEL A [AG/1000]

Gesendet: Mittwoch, 16. März 2016 16:23

An: Occ-Env-Med-L

Betreff: [occ-env-med-l] RE: what was that about Monsanto's open policy read yesterday's story on Monsanto laundering money to a researcher to make it appear that his advocacy was unbiased

David

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[mailto:bounce-37383807-6839218@listserv.unc.edu] On Behalf Of David Egilman  
Sent: Wednesday, March 16, 2016 7:54 AM  
To: GOLDSTEIN, DANIEL A [AG/1000]  
Subject: [occ-env-med-l] what was that about Monsanto's open policy read yesterday's story on Monsanto laundering money to a researcher to make it appear that his advocacy was unbiased

<https://www.wbez.org/shows/wbez-news/u-of-i-professor-did-not-disclose-gmo-funding/eb99bdd2-683d-4108-9528-de1375c3e9fb>



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Subject: SEACOEM 2016 Symposium "SAVE THE DATE"  
From: Gary Greenberg **Ex. 6 - Personal Privacy**  
Date: Wed, 16 Mar 2016 18:53:40 -0400  
X-Message-Number: 5

From: Scott J. Spillmann, MD, MPH **Ex. 6 - Personal Privacy**  
Date: Wed, Mar 16, 2016 at 1:53 PM  
Subject: SEACOEM 2016 Symposium "SAVE THE DATE"

Can you help me / us / SEACOEM with sending this out in the next couple of days over the list serve please?

â€Wâ€

e are accepting any and all colleagues from components who care to join us, i.e., it is primarily for our component but we welcome all others.

Kathleen Buckheit usually can arrange it for nurses to get CEâ€™s as well.

We will send out more specific information this spring.

Thanks again

SJS

Dear Colleagues,

Over the weekend of Saturday, August 20th and Sunday, August 21st, 2016 SEACOEM will host our 2016 Symposium and Scientific Meeting at the historic Hotel Roanoke in the picturesque city of Roanoke, Virginia, hugging the beautiful Blue Ridge Mountains.

It will be two full days of learning, with healthy doses of fellowship and fun. Your officers are planning a special gathering for that Saturday evening – stay tuned for communiques this spring about the program as well as for registering for the event.

The link below gives a hint of the venue: <http://www.hotelroanoke.com/>

SEACOEM is YOUR component and this conference is for YOU. We look forward to seeing you there.

Respectfully,

Scott J. Spillmann, MD, MPH

President, SEACOEM

-----  
Subject: Re: Fwd: Lung adenoCA & heavy metal (As, Cd, Cr) exposure

From: Christopher Ide [Ex. 6 - Personal Privacy]

Date: Thu, 17 Mar 2016 00:01:52 +0000 (UTC)

X-Message-Number: 6

Dr Darby, A number of thoughts pass through my mind wrt this unfortunate lady. 1. She's 63, therefore born in 1952 or 53. So it's likely that her working life would have started in the late 1960s. Has anyone taken a detailed occupational history to explore the possibility of exposure to known lung carcinogens earlier in her life? 2. What about leisure activities? Did she spend a lot of time in dance halls/popular music/folk/jazz clubs or cinemas in the days before smoking in public places was widely banned, thus being exposed to passive smoking? 3. You write about "...very high levels of airborne cadmium, hexavalent chromium...." Exactly what do you mean by 'very high levels' - How do they relate current and past occupational/community exposure levels, for example? 4. There seems to be a presumption that the majority of the exposure occurred when she was out taking her walk at lunchtime, but to what extent would have working in the shop attenuated her exposure, bearing in mind that the doors would be opening and shutting to let customers in and out, and for goods to be delivered and uplifted, etc. To draw an analogy with PPE, we all know that, in order to be really effective, it needs to be worn all the time. 5. There is potentially a difference between exposure and uptake. I'm now really getting out of my depth, because I know b7g\$e^ all about cadmium half lives, kinetics, etc, but I do believe that it accumulates in the kidneys. If her last exposure was fairly recent, might measuring her urinary B2 microglobulin or urinary Cd offer some sort of surrogate measure? 6. Has she been a fan of Chinese herbal or Ayurvedic medicine, particularly if these products have been purchased on-line? It's not unknown for them to be adulterated or contaminated with high levels of lead, steroids, etc and there are case reports in the literature, ranging from elevated blood levels to frank poisoning with Pb found in these products. Other carcinogens might also be present. 7. Since the days of Molly Newhouse, who reported cases of asbestosis, etc in non-employees who lived in the vicinity of asbestos processing factories (although some of the exposures might have occurred from employees bringing soiled working clothes home), could

these cases help throw any light on latency? Just my tuppence worth.

BwChris Ide  
Consultant Physician  
in Occupational Medicine  
Hon Senior Clinical Lecturer  
Health Management Ltd  
Healthy Working Lives Group  
Altrincham Business Park  
Dept of Public Health Science  
George Richards Way  
1, Lilybank Gardens,  
University of Glasgow  
ALTRINCHAM WA14 5GL  
GLASGOW G12 8RZ  
England, UK  
Scotland, UK

On Wednesday, 16 March 2016, 2:27, Gary Greenberg [garygreenberg@gmail.com](mailto:garygreenberg@gmail.com) **Ex. 6 - Personal Privacy** wrote:

----- Forwarded message -----

From: Sass, Jennifer <[jsass@nrdc.org](mailto:jsass@nrdc.org)>

Date: Tue, Mar 15, 2016 at 12:19 PM

Subject: lung adenocarcinoma and heavy metal exposure

To: "PaulDarby@chifranciscan.org" <PaulDarby@chifranciscan.org>,Â

Â Dear Dr. Darby,Â Thank you for reaching out to me. I am copying Dr. Gary Greenberg on this email since he runs the OEM listserve for Occupational and Environmental Health experts worldwide. I think this would be an excellent question for that listserve. If you are already on it, I encourage you to post the query, and if not, maybe Dr. Greenberg can help you.Â While there is a link between heavy metals and lung cancer, I agree that the short latency period makes it less likely, although doesnâ€™t eliminate the risk. I am sorry but I donâ€™t know about the EGFR deletion, so canâ€™t comment. But, it seems worth researching.Â I am sorry that I cannot help further. I hope that you post your query to the listserve, so that others with more expertise can weigh in with their thoughts.Â Thank you for caring and making the effort to explore this potential contribution to your patientâ€™s cancer!Â Warm best, JenÂ Â JENNIFER SASS, Ph.D.Senior Scientist, NATURAL RESOURCES DEFENSE COUNCILand Professorial Lecturer, George Washington University1152 15TH STREET NW, SUITE 300, WASHINGTON, DC 20005Tel: 202.289.2362; email:Â JSASS@NRDC.ORG

Twitter: @JBSASS SKYPE: sass.jen From: Darby, Paul (Port of Tacoma)

[mailto:PaulDarby@chifranciscan.org]

Sent: Friday, March 11, 2016 1:41 PM

To: NRDCinfo

Subject: for Dr. Sassâ Jen, I am consulting on a case of a 63 year old lifelong non-smoking grocery store employee who took daily walks at lunchtime. It was discovered that the store is downwind and adjacent to a factory that has been releasing very high levels of airborne cadmium, hexavalent chromium, are arsenic for many years. Sadly she has been diagnosed with Stage IV lung adenocarcinoma. Given the generally accepted latency of heavy metal lung cancer of 10-20 years, it is difficult to support a toxic contributing cause since she only had 2.5 years of exposure. I have searched the literature and can find no papers supporting such an accelerated latency period. Are you aware of any? Her oncologist seems to think that her having an "EGFR exon 19 deletion" in the tumor tissue would accelerate a toxic cause, but I can find no support for that since such deletions are common in non-small-cell lung cancers, but they are not present in the patient's normal genome outside of the tumor. Thoughts?

Paul S. Darby, MD, PhD, MPH, FACP  
Medical Director, COHE Alliance of Western WA  
Port Clinic, 1930 Port of Tacoma Rd,  
Tacoma, WA 98421 | MS 13-02P 253.274.5521 || 174.5521 | F

253.274.5525pauldarby@CHIfranciscan.orgwww.CHIfranciscan.org/occhealth  
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This is the free Discussion Forum for Clinical & Public Health professionals in Occupational & Environmental Medicine (exposure-related human disease).

Originated at Duke University in 1993, it now is centered at Univ. N. Carolina School of Public Health, where it is still managed by Gary Greenberg, MD

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Sponsorship opportunities to maintain this resource: <http://sponsorship.occhealthnews.net>

**To:** Burke, Thomas[Burke.Thomas@epa.gov]  
**Cc:** Deener, Kathleen[Deener.Kathleen@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]; Kavlock, Robert[Kavlock.Robert@epa.gov]; Gwinn, Maureen[gwinn.maureen@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]; Hubbard, Carolyn[Hubbard.Carolyn@epa.gov]; Blackburn, Elizabeth[Blackburn.Elizabeth@epa.gov]  
**From:** Piantanida, David  
**Sent:** Fri 5/13/2016 2:57:13 PM  
**Subject:** RE: Interim response for Review from OCSPP

Yes – will relay to OCIR. Thanks

David Piantanida, (202) 564-8318, cell: (202) 527-1750

Senior Advisor

Office of Research and Development

U.S. Environmental Protection Agency

**From:** Burke, Thomas  
**Sent:** Friday, May 13, 2016 10:56 AM  
**To:** Piantanida, David <Piantanida.David@epa.gov>  
**Cc:** Deener, Kathleen <Deener.Kathleen@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Kavlock, Robert <Kavlock.Robert@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>; Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>  
**Subject:** Re: Interim response for Review from OCSPP

## Ex. 5 - Deliberative Process

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

On May 11, 2016, at 4:07 PM, Piantanida, David <[Piantanida.David@epa.gov](mailto:Piantanida.David@epa.gov)> wrote:

Tom, Kacee, Bob and Vince,

Here is OCSPP's draft of the glyphosate response. I have told OCIR that we would like to review and we have until the end of the week.

Thanks,

David Piantanida, (202) 564-8318, cell: (202) 527-1750

Senior Advisor

Office of Research and Development

U.S. Environmental Protection Agency

**From:** Aarons, Kyle

**Sent:** Wednesday, May 11, 2016 3:32 PM

**To:** Piantanida, David <[Piantanida.David@epa.gov](mailto:Piantanida.David@epa.gov)>

**Cc:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>

**Subject:** FW: Interim response for Review from OCSPP



Hi David – Attached is OCSPP's draft of the glyphosate response we discussed at Monday's meeting. Would ORD want to review this before it moves forward? Thanks

Kyle Aarons

Congressional Affairs

U.S. Environmental Protection Agency

202-564-7351

**From:** Mojica, Andrea

**Sent:** Wednesday, May 11, 2016 1:57 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Subject:** Interim response for Review from OCSPP

Tom,

Attached is the draft response to the Congressional oversight request from Lamar Smith on glyphosate. I am attaching the draft so it can go through the official review process. I have also attached the incoming. Please let me know if you have any questions.

Thanks,

Andrea

Andrea Mojica

Special Assistant

U.S. Environmental Protection Agency

Office of Chemical Safety and Pollution Prevention

1200 Pennsylvania Ave., NW

Washington, DC 20460

Tel. (202) 564.0599

<05 04 06 SST Letter to Administrator McCarthy re CARC.pdf>

<draft response to Chairman Smith\_glyphosate\_10 May 2016\_OPP  
comments\_clean.docx>

**To:** Piantanida, David[Piantanida.David@epa.gov]  
**Cc:** Deener, Kathleen[Deener.Kathleen@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]; Kavlock, Robert[Kavlock.Robert@epa.gov]; Gwinn, Maureen[gwinn.maureen@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]; Hubbard, Carolyn[Hubbard.Carolyn@epa.gov]; Blackburn, Elizabeth[Blackburn.Elizabeth@epa.gov]  
**From:** Burke, Thomas  
**Sent:** Fri 5/13/2016 2:55:30 PM  
**Subject:** Re: Interim response for Review from OCSPP

## Ex. 5 - Deliberative Process

Thomas A. Burke, PhD, MPH  
Deputy Assistant Administrator  
EPA Science Advisor  
Office of Research and Development  
202-564-6620  
[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

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Senior Advisor

Office of Research and Development

U.S. Environmental Protection Agency

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**To:** Piantanida, David <[Piantanida.David@epa.gov](mailto:Piantanida.David@epa.gov)>  
**Cc:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>  
**Subject:** FW: Interim response for Review from OCSPP

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Kyle Aarons

Congressional Affairs

U.S. Environmental Protection Agency

202-564-7351

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**Sent:** Wednesday, May 11, 2016 1:57 PM  
**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>  
**Subject:** Interim response for Review from OCSPP

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Thanks,

Andrea

Andrea Mojica

Special Assistant

U.S. Environmental Protection Agency

Office of Chemical Safety and Pollution Prevention

1200 Pennsylvania Ave., NW

Washington, DC 20460

Tel. (202) 564.0599

<05 04 06 SST Letter to Administrator McCarthy re CARC.pdf>

<draft response to Chairman Smith\_glyphosate\_10 May 2016\_OPP comments\_clean.docx>

**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]; Lobdell, Danelle[Lobdell.Danelle@epa.gov]; Wood, Charles[Wood.Charles@epa.gov]  
**Cc:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Flowers, Lynn  
**Sent:** Wed 5/4/2016 6:44:01 PM  
**Subject:** OPP glyphosate update

Hi all:

Just an update of where OPP is heading in relationship to their ongoing work on glyphosate – in case you didn't know!

**First of all**, you may have seen the news about the final CARC going live inadvertently and OPP pulling it from the web.

Here are some links in case you missed it.



#### Advocates Fault EPA Review Finding Glyphosate Unlikely To Cause Cancer

Environmentalists are faulting an EPA assessment finding the world's most commonly-used herbicide is not likely to cause human cancers, arguing the agency relied on industry studies and unrealistic assumptions, and also appears to lack confidence in its own review, given that EPA posted the document to a public site and then withdrew it days later.



#### EPA Panel Finds Glyphosate Not Likely to Cause Cancer

Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an EPA report. The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer, which found that the pesticide is a "probable carcinogen."



#### Report touting glyphosate safety published by mistake -- EPA

U.S. EPA yesterday posted online and then removed a report suggesting glyphosate is unlikely to pose a cancer risk to humans.

## **Ex. 5 - Deliberative Process**

-

Lynn

Lynn Flowers, PhD, DABT

Senior Science Advisor

Office of Science Policy

US EPA

Washington, DC

202-564-6293



**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]  
**From:** Cooper, Glinda  
**Sent:** Tue 11/10/2015 6:03:25 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I am going to add to this and will send new version in a separate email

-----Original Message-----

**From:** Cooper, Glinda  
**Sent:** Tuesday, November 10, 2015 7:47 AM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Glinda

---

From: Cogliano, Vincent  
Sent: Wednesday, November 4, 2015 1:33 PM  
To: Cooper, Glinda; Fritz, Jason; Gibbons, Catherine  
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

From: Birchfield, Norman  
Sent: Tuesday, November 03, 2015 1:37 PM  
To: Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

From: McQueen, Jacqueline  
Sent: Tuesday, November 03, 2015 1:29 PM  
To: Birchfield, Norman <Birchfield.Norman@epa.gov<mailto: Birchfield.Norman@epa.gov>>; Walton, Barb <Walton.Barb@epa.gov<mailto: Walton.Barb@epa.gov>>; Martin, Matt <Martin.Matt@epa.gov<mailto: Martin.Matt@epa.gov>>; Stroup, Gene <Stroup.Gene@epa.gov<mailto: Stroup.Gene@epa.gov>>  
Cc: Crofton, Kevin <Crofton.Kevin@epa.gov<mailto: Crofton.Kevin@epa.gov>>; Fegley, Robert <Fegley.Robert@epa.gov<mailto: Fegley.Robert@epa.gov>>; Bahadori, Tina <Bahadori.Tina@epa.gov<mailto: Bahadori.Tina@epa.gov>>; Egeghy, Peter <Egeghy.Peter@epa.gov<mailto: Egeghy.Peter@epa.gov>>  
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R) Office of Research and Development Office of Science  
Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]  
**From:** Cooper, Glinda  
**Sent:** Tue 11/10/2015 12:46:51 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Glinda

---

**From:** Cogliano, Vincent  
**Sent:** Wednesday, November 4, 2015 1:33 PM  
**To:** Cooper, Glinda; Fritz, Jason; Gibbons, Catherine  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

From: Birchfield, Norman  
Sent: Tuesday, November 03, 2015 1:37 PM  
To: Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

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From: McQueen, Jacqueline  
Sent: Tuesday, November 03, 2015 1:29 PM  
To: Birchfield, Norman <Birchfield.Norman@epa.gov<mailto: Birchfield.Norman@epa.gov>>; Walton, Barb <Walton.Barb@epa.gov<mailto: Walton.Barb@epa.gov>>; Martin, Matt <Martin.Matt@epa.gov<mailto: Martin.Matt@epa.gov>>; Stroup, Gene <Stroup.Gene@epa.gov<mailto: Stroup.Gene@epa.gov>>  
Cc: Crofton, Kevin <Crofton.Kevin@epa.gov<mailto: Crofton.Kevin@epa.gov>>; Fegley, Robert <Fegley.Robert@epa.gov<mailto: Fegley.Robert@epa.gov>>; Bahadori, Tina <Bahadori.Tina@epa.gov<mailto: Bahadori.Tina@epa.gov>>; Egeghy, Peter <Egeghy.Peter@epa.gov<mailto: Egeghy.Peter@epa.gov>>  
Subject: FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)

Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Cogliano, Vincent[cogliano.vincent@epa.gov]  
**Cc:** Vandenberg, John[Vandenberg.John@epa.gov]; Walsh, Debra[Walsh.Debra@epa.gov];  
Mudipalli, Anuradha[Mudipalli.Anu@epa.gov]  
**From:** Davis, Allen  
**Sent:** Mon 11/9/2015 5:56:31 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
Glyohosate Draft Final Risk assessment - 2-Nov-2015AM (II).docx  
417300\_2015-10-01\_TXR0057299AM.pdf  
Evaluation of cancer hazard and risk ID for Glyphosate - HPAG review.docx

Vince,

John informed me that you were interested in taking a look at Anu's review of OPP's draft risk assessment for glyphosate. Anu has provided some comments in the actual document related to particular issues, but has also provided a short write-up on her overall assessment of the draft document; I've attached both documents. I understand that you are interested in taking a look so you can start to develop a consistent message for NCEA to put forward when addressing requests for reviews such as this; if there are any issues you'd like to discuss with us in more detail, let me know and I'll set up a meeting.

Thanks,

Allen

J. Allen Davis, MSPH

Biologist

National Center for Environmental Assessment

U.S. Environmental Protection Agency

109 T.W. Alexander Dr, MC B243-01

RTP, NC 27711

phone: 919-541-3789

fax: 919-541-0245

email: [davis.allen@epa.gov](mailto:davis.allen@epa.gov)

**From:** Vandenberg, John  
**Sent:** Tuesday, November 03, 2015 2:46 PM  
**To:** Davis, Allen <Davis.Allen@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Allen – I don't know if anyone has experience with this, can you check and send a note back to Norm?

Thanks, johhn

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
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**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate



Good afternoon,

## **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)

Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Cooper, Glinda[Cooper.Glinda@epa.gov]; Fritz, Jason[Fritz.Jason@epa.gov]; Gibbons, Catherine[Gibbons.Catherine@epa.gov]  
**From:** Cogliano, Vincent  
**Sent:** Wed 11/4/2015 6:33:19 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
[417300 2015-10-01 TXR0057299.pdf](#)  
[Glyphosate Draft Final Risk assessment - 2-Nov-2015 \(II\).docx](#)

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <cogliano.vincent@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
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## Ex. 5 - Deliberative Process

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Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Cooper, Glinda[Cooper.Glinda@epa.gov]; Fritz, Jason[Fritz.Jason@epa.gov]; Gibbons, Catherine[Gibbons.Catherine@epa.gov]  
**From:** Cogliano, Vincent  
**Sent:** Wed 11/4/2015 6:32:27 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Here's what I sent to Ken that mentioned you. The files will follow in a second message.

**From:** Cogliano, Vincent  
**Sent:** Tuesday, November 03, 2015 6:28 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639





**From:** Cyran, Carissa  
**Location:** DCRoomPYS9100/Potomac-Yard-One  
**Importance:** Normal  
**Subject:** Discuss glyphosate registration review schedule and monarchs  
**Start Date/Time:** Mon 3/30/2015 6:30:00 PM  
**End Date/Time:** Mon 3/30/2015 7:00:00 PM

Hello,

Monsanto has requested a brief meeting to discuss the registration review schedule as well as monarchs. Their monarch expert is expected to be in attendance.

The discussion topics Monsanto would like to cover include the following:

- 1) Updates on timelines, public comment period, etc
- 2) Monsanto Monarch Efforts
- 3) Weed Resistance Management

Conference call information:

**Dial-in** **Ex. 6 - Personal Privacy**  
**Conference code:** **Ex. 6 - Personal Privacy**

Thank you,

Carissa

**To:** Cyran, Carissa[Cyran.Carissa@epa.gov]  
**From:** Smith, Charles  
**Sent:** Mon 3/23/2015 2:55:19 PM  
**Subject:** RE:

## Ex. 5 - Deliberative Process

Sent from my Windows Phone

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**From:** Cyran, Carissa  
**Sent:** 3/23/2015 10:49 AM  
**To:** Smith, Charles  
**Subject:** FW:

Good morning, Billy,

## Ex. 5 - Deliberative Process

Thank you!

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]  
**Sent:** Monday, March 23, 2015 10:10 AM  
**To:** Goodis, Michael  
**Cc:** Keigwin, Richard; Cyran, Carissa; Rowland, Jess; Anderson, Neil  
**Subject:**

Mike:

Per our phone conversation. We hope EPA will correct mistakes or absences of fact with respect to its record on glyphosate (including the 2013 statement and the AHS

study) as it relates to carcinogenicity.

### 2009 EPA Glyphosate Reg Review

Carcinogenicity was not identified as a concern in the work plan  
[http://www.epa.gov/oppsrrd1/registration\\_review/glyphosate/](http://www.epa.gov/oppsrrd1/registration_review/glyphosate/)

**2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013) Final Rule** new tolerances in or on multiple commodities: “EPA has concluded that glyphosate does not pose a cancer risk to humans.”

<http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

“For the herbicide **glyphosate**, there was *limited evidence of carcinogenicity* in humans for non-Hodgkin lymphoma. The evidence in humans is from studies of exposures, mostly agricultural, in the USA, Canada, and Sweden published since 2001. In addition, there is convincing evidence that glyphosate also can cause cancer in laboratory animals. On the basis of tumours in mice, the United States Environmental Protection Agency (US EPA) originally classified glyphosate as *possibly carcinogenic to humans* (Group C) in 1985. After a re-evaluation of that mouse study, the US EPA changed its classification to *evidence of non-carcinogenicity in humans* (Group E) in 1991. The US EPA Scientific Advisory Panel noted that the re-evaluated glyphosate results were still significant using two statistical tests recommended in the IARC Preamble. The IARC Working Group that conducted the evaluation considered the significant findings from the US EPA report and several more recent positive results in concluding that there is *sufficient evidence of carcinogenicity* in experimental animals. Glyphosate also caused DNA and chromosomal damage in human cells, although it gave negative results in tests using bacteria. One study in community residents reported increases in blood markers of chromosomal damage (micronuclei) after glyphosate formulations were sprayed nearby.”

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/abstract](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/abstract)

<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

Thanks,

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

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**To:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Cyran, Carissa  
**Sent:** Wed 4/1/2015 1:51:38 PM  
**Subject:** Glyphosate Weekly

**OPP Meets with Glyphosate Registrant to Discuss Glyphosate Registration Review and Human Health Assessment.**

On Monday, March 30, 2015, at the request of Monsanto, members of BEAD, EFED, HED, and PRD met with representatives from Monsanto to discuss the registration review and human health assessment for glyphosate. Discussion during the first part of the meeting focused on the publication of the preliminary risk assessments and weed resistance management document as well as Monsanto's monarch conversation effort. The latter part of the meeting Monsanto presented an analytical method that they will use for testing breast milk in which the agency provided comments. The agency is currently conducting its own analysis of breast milk data that will publish at the time of the preliminary risk assessments. The preliminary risk assessments and weed management resistance document are expected to publish later this year. Registration review information for glyphosate can be found in docket EPA-HQ-OPP-2009-0361 at [www.regulations.gov](http://www.regulations.gov). (Carissa Cyran, 703-347-8781)

## **Ex. 5 - Deliberative Process**

**To:** 'JENKINS, DANIEL J [AG/1920]'[daniel.j.jenkins@monsanto.com]  
**From:** Cyran, Carissa  
**Sent:** Mon 3/30/2015 4:49:35 PM  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Sure.

Dial-in: Ex. 6 - Personal Privacy

Conference code: Ex. 6 - Personal Privacy

The only update with regards to the HHS document is that we are in communication with the appropriate contacts.

**From:** JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]  
**Sent:** Monday, March 30, 2015 12:07 PM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Hey Carissa:

Can we get a call in #? Also, I know we talked about HHS' gly work as well, hoping you can update us on this today too (recognize there may not be a lot to update)

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851



Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Friday, March 27, 2015 2:16 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Not a problem Dan. Have a great weekend and see you on Monday!

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Friday, March 27, 2015 11:54 AM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Btw we will need a projector

Thanks and have a nice weekend ☺

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
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1300 I St., NW  
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Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Tuesday, March 24, 2015 9:34 AM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Good morning, Dan,

Do you have an agenda or list of discussion questions for the 2:30 meeting next Monday?

Thank you.

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, March 17, 2015 1:27 PM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Sorry! Yes, I think that if they could be there for the 2:30 that would be great.

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
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Office: 202-383-2851

Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Tuesday, March 17, 2015 1:25 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Yes, I apologize for the confusion. Both HED and BEAD will be at the meeting at 3:00, I was asking about the 2:30 meeting.

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, March 17, 2015 1:22 PM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Well, I think other members of the team would be good, particularly HED, given the IARC process as well as the HHS examination of gly residues.

Dan Jenkins  
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Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Tuesday, March 17, 2015 1:09 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Do you just want to meet with PRD or include other members from the team (BEAD, EFED)?

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, March 17, 2015 1:07 PM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Hey Carissa do you think we could sit with you for 30 minutes prior to the meeting to talk about reg review generally? Would like to get an update and could share some things we're doing on monarchs

Dan Jenkins  
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Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Tuesday, March 17, 2015 12:39 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** FW: New proposed date and time for glyphosate breast milk discussion

Hi Dan,

I am confirming that the team is available on Monday, March 30 at 3:00-4:00.

Thank you,

Carissa

**From:** Cyran, Carissa  
**Sent:** Monday, March 16, 2015 4:34 PM  
**To:** 'JENKINS, DANIEL J [AG/1920]'  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Thank you Dan. I am waiting for one more confirmation and will confirm with you tomorrow.

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Monday, March 16, 2015 1:05 PM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Hey Carissa:

We'll take Monday at 3 pm ok?

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs

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Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Monday, March 16, 2015 12:25 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Hello, Dan,

I wanted to follow up to see if any of the dates I proposed below work with your schedule. Thank you  
Carissa

**From:** Cyran, Carissa  
**Sent:** Monday, March 09, 2015 2:40 PM  
**To:** 'JENKINS, DANIEL J [AG/1920]'  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Thank you Dan. Would you and your team be available on any of the following dates:

Monday, March 30<sup>th</sup> at 3:00

Tuesday, March 31<sup>st</sup> at 3:00

Thursday, April 2<sup>nd</sup> at 1:00 or 3:00

Thank you,

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Thursday, March 05, 2015 8:46 AM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Tues 10<sup>th</sup> or 17<sup>th</sup> or 19<sup>th</sup> work? We prefer afternoon so people can fly in and out the same day if possible.

Dan Jenkins  
U.S. Agency Lead

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Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Friday, February 27, 2015 12:58 PM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Thanks Dan. Unfortunately we still do not have any information at this time we can share.

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Friday, February 27, 2015 11:56 AM  
**To:** Cyran, Carissa  
**Subject:** RE: New proposed date and time for glyphosate breast milk discussion

Hey Carissa:

Looking at dates, will get back to you. do you think we can get a we could get a summary of EPA's method?

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**From:** Cyran, Carissa [<mailto:Cyran.Carissa@epa.gov>]  
**Sent:** Friday, February 27, 2015 10:48 AM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Subject:** New proposed date and time for glyphosate breast milk discussion

Hello, Dan,



I apologize in advance, however, we need to reschedule the breast milk meeting that was scheduled for next Thursday. Could you please provide me with a few dates and times that work for your team?

Thank you,

Carissa

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**To:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Cyran, Carissa  
**Sent:** Mon 3/23/2015 2:57:55 PM  
**Subject:** RE:

## Ex. 5 - Deliberative Process

Hopefully you are off on vacation and doing something fun!

Carissa

**From:** Smith, Charles  
**Sent:** Monday, March 23, 2015 10:55 AM  
**To:** Cyran, Carissa  
**Subject:** RE:

## Ex. 5 - Deliberative Process

Sent from my Windows Phone

---

**From:** Cyran, Carissa  
**Sent:** 3/23/2015 10:49 AM  
**To:** Smith, Charles  
**Subject:** FW:

Good morning, Billy,

## Ex. 5 - Deliberative Process

Thank you!

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Monday, March 23, 2015 10:10 AM  
**To:** Goodis, Michael  
**Cc:** Keigwin, Richard; Cyran, Carissa; Rowland, Jess; Anderson, Neil  
**Subject:**

Mike:

Per our phone conversation. We hope EPA will correct mistakes or absences of fact with respect to its record on glyphosate (including the 2013 statement and the AHS study) as it relates to carcinogenicity.

#### **2009 EPA Glyphosate Reg Review**

Carcinogenicity was not identified as a concern in the work plan  
[http://www.epa.gov/oppsrrd1/registration\\_review/glyphosate/](http://www.epa.gov/oppsrrd1/registration_review/glyphosate/)

**2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013)** Final Rule new tolerances in or on multiple commodities: "EPA has concluded that glyphosate does not pose a cancer risk to humans."

<http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

"For the herbicide **glyphosate**, there was *limited evidence of carcinogenicity* in humans for non-Hodgkin lymphoma. The evidence in humans is from studies of exposures, mostly agricultural, in the USA, Canada, and Sweden published since 2001. In addition, there is convincing evidence that glyphosate also can cause cancer in laboratory animals. On the basis of tumours in mice, the United States Environmental Protection Agency (US EPA) originally classified glyphosate as *possibly carcinogenic to humans* (Group C) in 1985. After a re-evaluation of that mouse study,

the US EPA changed its classification to *evidence of non-carcinogenicity in humans* (Group E) in 1991. The US EPA Scientific Advisory Panel noted that the re-evaluated glyphosate results were still significant using two statistical tests recommended in the IARC Preamble. The IARC Working Group that conducted the evaluation considered the significant findings from the US EPA report and several more recent positive results in concluding that there is *sufficient evidence of carcinogenicity* in experimental animals. Glyphosate also caused DNA and chromosomal damage in human cells, although it gave negative results in tests using bacteria. One study in community residents reported increases in blood markers of chromosomal damage (micronuclei) after glyphosate formulations were sprayed nearby.”

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/abstract](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/abstract)

<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

Thanks,

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

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**To:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Cyran, Carissa  
**Sent:** Mon 3/23/2015 2:48:59 PM  
**Subject:** FW:  
[General Comments on Glyphosate and Cancer-NHL.DOCX](#)  
[Summary Comments on IARC Lancet Oncology Pub.docx](#)  
[Extended Comments on Animal Carcinogenicity Data.docx](#)  
[Extended Comments on Exposure Data.docx](#)  
[Extended Comments on Epidemiology Data.docx](#)  
[Extended Comments on Genotoxicity and Other Data.docx](#)

Good morning, Billy,

## Ex. 5 - Deliberative Process

Thank you!

Carissa

**From:** JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]  
**Sent:** Monday, March 23, 2015 10:10 AM  
**To:** Goodis, Michael  
**Cc:** Keigwin, Richard; Cyran, Carissa; Rowland, Jess; Anderson, Neil  
**Subject:**

Mike:

Per our phone conversation. We hope EPA will correct mistakes or absences of fact with respect to its record on glyphosate (including the 2013 statement and the AHS study) as it relates to carcinogenicity.

**2009 EPA Glyphosate Reg Review**

Carcinogenicity was not identified as a concern in the work plan  
[http://www.epa.gov/oppsrrd1/registration\\_review/glyphosate/](http://www.epa.gov/oppsrrd1/registration_review/glyphosate/)

**2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013) Final Rule** new tolerances in or on multiple commodities: “EPA has concluded that glyphosate does not pose a cancer risk to humans.”

<http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

“For the herbicide **glyphosate**, there was *limited evidence of carcinogenicity* in humans for non-Hodgkin lymphoma. The evidence in humans is from studies of exposures, mostly agricultural, in the USA, Canada, and Sweden published since 2001. In addition, there is convincing evidence that glyphosate also can cause cancer in laboratory animals. On the basis of tumours in mice, the United States Environmental Protection Agency (US EPA) originally classified glyphosate as *possibly carcinogenic to humans* (Group C) in 1985. After a re-evaluation of that mouse study, the US EPA changed its classification to *evidence of non-carcinogenicity in humans* (Group E) in 1991. The US EPA Scientific Advisory Panel noted that the re-evaluated glyphosate results were still significant using two statistical tests recommended in the IARC Preamble. The IARC Working Group that conducted the evaluation considered the significant findings from the US EPA report and several more recent positive results in concluding that there is *sufficient evidence of carcinogenicity* in experimental animals. Glyphosate also caused DNA and chromosomal damage in human cells, although it gave negative results in tests using bacteria. One study in community residents reported increases in blood markers of chromosomal damage (micronuclei) after glyphosate formulations were sprayed nearby.”

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/abstract](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/abstract)

<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

Thanks,

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

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**From:** Cyran, Carissa  
**Location:** DCRoomPYS9621/Potomac-Yard-One  
**Importance:** Normal  
**Subject:** Breast Milk Discussion with Monsanto  
**Start Date/Time:** Thur 3/5/2015 6:00:00 PM  
**End Date/Time:** Thur 3/5/2015 7:00:00 PM

Hello,

Monsanto has requested a meeting to discuss their method for the detection of glyphosate in milk and to seek the agency's feedback. Monsanto will provide their method no later than next Thursday, February 19<sup>th</sup>.

**Call-in Information**

Dial-in: Ex. 6 - Personal Privacy  
Conference code: Ex. 6 - Personal Privacy

Thank you,

Carissa

**To:** Gwinn, Maureen[gwinn.maureen@epa.gov]; Deener, Kathleen[Deener.Kathleen@epa.gov]  
**Cc:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Fegley, Robert  
**Sent:** Thur 11/5/2015 1:33:43 PM  
**Subject:** tire crumb and glyphosate

We are not meeting with Bob this morning, but these are some things that you guys should probably be aware of.

**From:** McQueen, Jacqueline  
**Sent:** Thursday, November 05, 2015 7:18 AM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hauchman, Fred <auchman.fred@epa.gov>  
**Subject:** Are you meeting with Kavlock today?

If you are meeting today, here are a couple of updates:

#### Tire Crumb

## Ex. 5 - Deliberative Process

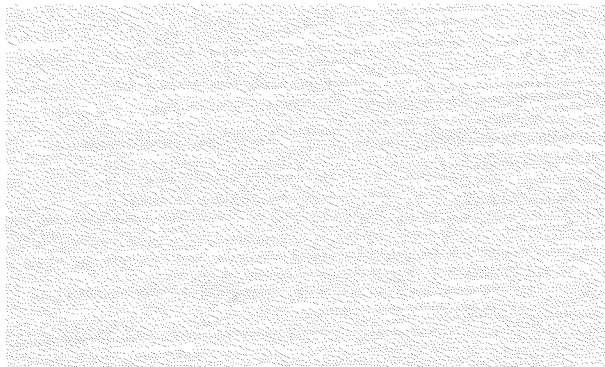
- Fred attended the public meeting in California, and met with California scientists associated with the study. He will provide an update when he returns.

#### Glyphosate

- Danielle Lobdell (NHEERL), an ORD epidemiologist, took over the review of the literature and presentation to the OPP Cancer Assessment Review Committee after OPP's epidemiologist took a job elsewhere.

- Charles Wood (NHEERL), an ORD pathologist, is a standing member of the OPP CARC, and he reviewed the animal data on glyphosate.
- Both of these scientists can discuss the IARC data vs OPP's, and the differences in how they were used by each organization.
- Peter Egeghy in NERL was an author of some sections of the IARC glyphosate monograph and is very familiar with the exposure considerations in that document. He is reviewing OPP's assessment.
- Matt Martin in NCCT is doing a cursory review of the OPP document and should have feedback before the end of the week.
- NCEA has begun to do a thorough review, but this will take at least several weeks and significant effort to complete. They do not think a quick review is valuable.
- After today's briefing for Tom, we would like to know whether NCEA should continue its review. If Tom wants to continue, then we need to alert OPP (hopefully at today's meeting) so they are aware.

**To:** Dunbar, Anwar[Dunbar.Anwar@epa.gov]; Schneider, Bernard A.[Schneider.Bernard@epa.gov]; Eiden, Catherine[Eiden.Catherine@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]; Chester Rodriguez [Ex. 6 - Personal Privacy] Vogel, Dana[Vogel.Dana@epa.gov]; Drew, Danette[Drew.Danette@epa.gov]; Hrdy, David[Hrdy.David@epa.gov]; Wilbur, Donald[Wilbur.Donald@epa.gov]; Dotson, Douglas[Dotson.Douglas@epa.gov]; GF Kramer [Ex. 6 - Personal Privacy] Miller, James S.[Miller.James-S@epa.gov]; Jeff Evans [Ex. 6 - Personal Privacy] Rowland, Jess[Rowland.Jess@epa.gov]; Kidwell, Jessica[kidwell.jessica@epa.gov]; Redden, John[Redden.John@epa.gov]; VanAlstine, Julie[VanAlstine.Julie@epa.gov]; Karen Whitby [Ex. 6 - Personal Privacy] Martin, Kathleen[Martin.Kathleen@epa.gov]; Schumacher, Kelly[Schumacher.Kelly@epa.gov]; [Ex. 6 - Personal Privacy] Austin, Lisa[Austin.Lisa@epa.gov]; Dow, Mark[Dow.Mark@epa.gov]; Clock-Rust, Mary[Clock-Rust.Mary@epa.gov]; Doherty, Michael[Doherty.Michael@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Villanueva, Philip[Villanueva.Philip@epa.gov]; Shah, Pv[Shah.Pv@epa.gov]; [Ex. 6 - Personal Privacy] Levy, Sarah[Levy.Sarah@epa.gov]; Sheila Healy [Ex. 6 - Personal Privacy] Knizner, Steve[Knizner.Steve@epa.gov]; Morton, Thurston[Morton.Thurston@epa.gov]; Gallagher, Sarah[Gallagher.Sarah@epa.gov]; Wassell, William[Wassell.William@epa.gov]  
**From:** Kramer, George  
**Sent:** Thur 5/5/2016 12:58:36 PM  
**Subject:** EPA Mum on Scrubbed Pesticide [Glyphosate] Study



By David Schultz

May 4 — The Environmental Protection Agency has offered no new details on the publication and subsequent removal earlier this week of a report showing that a widely used pesticide likely does not cause cancer.

Both the chemical industry and environmental activists heavily criticized the EPA's handling of a report on the weed killer glyphosate from its Cancer Assessment Review Committee.

The incident has even garnered the attention of Rep. Lamar Smith (R-Texas), chairman of the House Science Committee, who said it “raises questions about the agency's

motivations in providing a fair assessment of glyphosate” and “may shed light on larger systemic problems occurring at the agency,” in a May 4 letter to EPA Administrator Gina McCarthy.

Smith is asking McCarthy to turn over to his committee all of its internal documents relating to the cancer report by May 18.

Will Not Elaborate

Despite this, the EPA has not elaborated on what happened, beyond stating that the report was posted online inadvertently and taken down because “our assessment is not final,” according to the agency's press secretary, Melissa Harrison.

The title page and every subsequent page of the cancer committee's report are marked with the word “FINAL.”

Harrison and her colleagues in the EPA's press office did not respond to queries from Bloomberg BNA seeking clarification on this.

Harrison did say in an e-mail to Bloomberg BNA that her agency had received Smith's letter and that it “will respond accordingly.”

Final?

Before the EPA took the report offline, it spread on social media after being first reported on by Bloomberg BNA (85 DEN A-4, 5/3/16).

The EPA report contradicted an earlier finding from the World Health Organization's



International Agency for Research on Cancer, or IARC, that declared glyphosate to be a “probable carcinogen” (59 DEN A-10, 3/27/15).

Monsanto, NRDC Agree

Monsanto, which developed glyphosate in the 1970s and still considers the chemical one of its crown jewels, is moving forward under the assumption that this report is complete.

“This was clearly labeled and signed as the final report,” company spokeswoman Christi Dixon told Bloomberg BNA in an e-mail. “Further peer review ... would be unnecessary.”

Jennifer Sass, a senior scientist at the Natural Resources Defense Council, which has been working for years to curtail pesticide usage, said she agreed with Monsanto on this point.

“I’ve read a lot of [cancer review committee] reports and they all look like that,” she told Bloomberg BNA. “That was a final cancer report.”

WHO Meeting

The inadvertent release of the report comes at a crucial time for glyphosate.

On May 9, the WHO and the UN are kicking off a joint meeting to discuss the safety of glyphosate residues on food products. This group meets regularly to analyze scientific data and determine what levels of pesticide residue should be allowed on foods involved in international trade.

However, the May 9 meeting in Geneva is a special meeting of this group dedicated specifically toward looking at glyphosate and two other pesticides classified by IARC in 2015 as carcinogenic.

That re-classification set off a wave of reactions against glyphosate in the U.S. and abroad, from state-level regulatory actions to product liability lawsuits against Monsanto from people who believe glyphosate caused their cancers.

The EPA's cancer review committee found that IARC reviewers had disregarded several studies on glyphosate that showed no results, which skewed their ultimate conclusion. IARC did not respond to an e-mail from Bloomberg BNA.

It's unclear what impact the report will have on the May 9 meeting—or even if the WHO/UN panelists who will be weighing the data on glyphosate have seen it and have access to it. Members of the WHO/UN panel meeting in Geneva next week did not respond to e-mails and phone calls from Bloomberg BNA.

For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

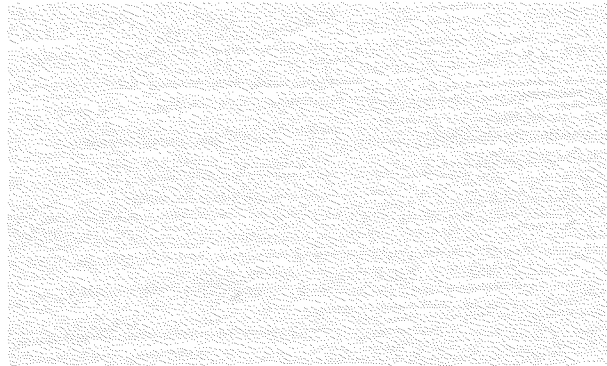
A copy of Rep. Lamar Smith's letter to EPA administrator Gina McCarthy is available at <http://src.bna.com/eHd>.

**To:** Dunbar, Anwar[Dunbar.Anwar@epa.gov]; Schneider, Bernard A.[Schneider.Bernard@epa.gov]; Eiden, Catherine[Eiden.Catherine@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]; Chester Rodriguez[Ex. 6 - Personal Privacy] Vogel, Dana[Vogel.Dana@epa.gov]; Drew, Danette[Drew.Danette@epa.gov]; Hrdy, David[Hrdy.David@epa.gov]; Wilbur, Donald[Wilbur.Donald@epa.gov]; Dotson, Douglas[Dotson.Douglas@epa.gov]; GF Kramer[Ex. 6 - Personal Privacy] Miller, James S.[Miller.James-S@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; Kidwell, Jessica[kidwell.jessica@epa.gov]; Redden, John[Redden.John@epa.gov]; VanAlstine, Julie[VanAlstine.Julie@epa.gov]; Karen Whitby[Ex. 6 - Personal Privacy] Martin, Kathleen[Martin.Kathleen@epa.gov]; Schumacher, Kelly[Schumacher.Kelly@epa.gov]; Linda Kutney[Ex. 6 - Personal Privacy] Austin, Lisa[Austin.Lisa@epa.gov]; Dow, Mark[Dow.Mark@epa.gov]; Clock-Rust, Mary[Clock-Rust.Mary@epa.gov]; Doherty, Michael[Doherty.Michael@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Villanueva, Philip[Villanueva.Philip@epa.gov]; Shah, Pv[Shah.Pv@epa.gov]; Richard Loranger[Ex. 6 - Personal Privacy] Levy, Sarah[Levy.Sarah@epa.gov]; Sheila Healy[Ex. 6 - Personal Privacy] Knizner, Steve[Knizner.Steve@epa.gov]; Morton, Thurston[Morton.Thurston@epa.gov]; Wassell, William[Wassell.William@epa.gov]; Gallagher, Sarah[Gallagher.Sarah@epa.gov]

**From:** Kramer, George

**Sent:** Tue 5/3/2016 1:54:05 PM

**Subject:** EPA Panel Finds Glyphosate Not Likely to Cause Cancer



By David Schultz

May 2 — Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an Environmental Protection Agency review panel.

The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that

the pesticide is a “probable carcinogen” (59 DEN A-10, 3/27/15).

## WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15).

The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

## Monsanto Statement

“No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact,” Monsanto CEO

Hugh Grant said in a statement. "Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool."

The IARC did not immediately respond to requests from Bloomberg BNA for comment.

The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years.

If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

Report Posted April 29

The EPA posted the cancer review committee's report April 29, along with more than a dozen other glyphosate-related documents, to Regulations.gov, an online document repository for federal agencies.

Then, after the report had been widely spread on social media, the cancer review committee's report and the other documents were removed from the EPA website on the afternoon of May 2.

"Preliminary glyphosate documents were inadvertently posted to the Agency's docket," EPA spokeswoman Melissa Harrison told Bloomberg BNA via e-mail. "These documents have now been taken down because our assessment is not final."

Label Changes?

Some of the other documents the EPA briefly made public pertained to two meetings pesticide regulators held with Monsanto representatives in the year after the IARC review was published.

A slide presentation made at one of these meetings by Monsanto representatives indicated the company may be willing to make voluntary changes to the labels of its glyphosate products to address concerns that they're harming the habitats of certain pollinating insects, including the monarch butterfly.

This document, along with summaries of the discussions during the company's two meetings with EPA pesticide regulators, were among those removed from Regulations.gov.

To contact the reporter on this story: David Schultz in Washington at [dschultz@bna.com](mailto:dschultz@bna.com)

To contact the editor responsible for this story: Larry Pearl at [lpearl@bna.com](mailto:lpearl@bna.com)

#### For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

A brief summary of EPA's meeting March 30, 2015, with Monsanto representatives is available at <http://src.bna.com/eBJ>.

A brief summary of EPA's meeting June 4, 2015, with Monsanto representatives is available at <http://src.bna.com/eBL>.

A copy of the slide presentation Monsanto representatives made for EPA pesticide regulators last year is available at <http://src.bna.com/eBx>.

**To:** Smith, Charles[Smith.Charles@epa.gov]; Dunbar, Anwar[Dunbar.Anwar@epa.gov]  
**Cc:** Bloem, Thomas[Bloem.Thomas@epa.gov]; Venkateshwara, Lata[Venkateshwara.Lata@epa.gov]  
**From:** Perron, Monique  
**Sent:** Thur 11/5/2015 2:18:52 PM  
**Subject:** RE: Glyphosate RA

## Ex. 5 - Deliberative Process

**From:** Smith, Charles  
**Sent:** Thursday, November 05, 2015 8:16 AM  
**To:** Dunbar, Anwar <Dunbar.Anwar@epa.gov>  
**Cc:** Bloem, Thomas <Bloem.Thomas@epa.gov>; Perron, Monique <Perron.Monique@epa.gov>; Venkateshwara, Lata <Venkateshwara.Lata@epa.gov>  
**Subject:** RE: Glyphosate RA

My Thoughts...

## Ex. 5 - Deliberative Process



## **Ex. 5 - Deliberative Process**

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## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**From:** Smith, Charles

**Sent:** Thursday, November 05, 2015 5:21 AM

**To:** Dunbar, Anwar <[Dunbar.Anwar@epa.gov](mailto:Dunbar.Anwar@epa.gov)>

**Cc:** Bloem, Thomas <[Bloem.Thomas@epa.gov](mailto:Bloem.Thomas@epa.gov)>; Perron, Monique

<Perron.Monique@epa.gov>; Venkateshwara, Lata <Venkateshwara.Lata@epa.gov>  
**Subject:** Re: Glyphosate RA

## Ex. 5 - Deliberative Process

Sent from my iPhone

On Nov 4, 2015, at 6:32 PM, Dunbar, Anwar <Dunbar.Anwar@epa.gov> wrote:

## Ex. 5 - Deliberative Process

Anwar Y. Dunbar, Ph.D., Pharmacologist

Risk Assessment Branch 1

The Human Health Effects Division/ The Office of Pesticide Programs

1200 Pennsylvania Ave, NW

Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers

**To:** Keller, Nancy[Keller.Nancy@epa.gov]; OPP HED RARC[OPP\_HED\_RARC@epa.gov]; Bloem, Thomas[Bloem.Thomas@epa.gov]; Dunbar, Anwar[Dunbar.Anwar@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Venkateshwara, Lata[Venkateshwara.Lata@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Wilbur, Donald[Wilbur.Donald@epa.gov]; Shah, Pv[Shah.Pv@epa.gov]; Doherty, Michael[Doherty.Michael@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]; Ruhman, Mohammed[Ruhman.Mohammed@epa.gov]; Lloyd, Matthew[Lloyd.Matthew@epa.gov]; Swartz, Christina[Swartz.Christina@epa.gov]; Metzger, Michael[Metzger.Michael@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]  
**From:** Lowe, Kelly  
**Sent:** Thur 11/5/2015 1:56:32 PM  
**Subject:** RE: RARC Meeting: Glyphosate

Hi RARC Members,

Taking a look at the comments so far for the glyphosate risk assessment, and checking in with some reviewers, it does not appear that there are major comments or policy issues that would require a RARC meeting. If you identify any issues not currently raised (see SharePoint review), or feel that a meeting is necessary to discuss any comments further, please bring these to our attention immediately. If there are no objections, a meeting cancellation notice will follow shortly.

Thanks,  
Kelly

-----  
Kelly Lowe  
Environmental Scientist  
Health Effects Division  
Office of Pesticide Programs  
703.347.8989

-----Original Appointment-----

**From:** Keller, Nancy  
**Sent:** Monday, November 02, 2015 12:22 PM  
**To:** Keller, Nancy; OPP HED RARC; Bloem, Thomas; Dunbar, Anwar; Perron, Monique; Venkateshwara, Lata; Rowland, Jess  
**Cc:** Wilbur, Donald; Shah, Pv; Doherty, Michael; Dawson, Jeffrey; Mendez, Elizabeth; Ruhman, Mohammed; Lloyd, Matthew; Swartz, Christina; Metzger, Michael; Lowe, Kelly; Lowit, Anna  
**Subject:** RARC Meeting: Glyphosate  
**When:** Thursday, November 05, 2015 1:30 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** HED Large Conference Room: S-10100

The glyphosate documents are ready for review on SharePoint (see links below for direct access to the SharePoint site)!

[updated 11/02/2015]

---

Glyphosate is a nonselective Group 9 herbicide that is currently registered for pre- and post-emergence application to a variety of fruit, vegetable, and field crops. Post-emergent

applications are typically soil-directed for all but genetically modified crops where over-the-top applications are permitted. Harvest-aid (desiccant) applications are also registered for a number of cereal grain, legume vegetable, non-grass animal feed, and oilseed crops. There are also registered uses for golf courses and residential turf as well as aquatic application scenarios. The current risk assessment was prepared in support of registration review. A Tier II incident and epi analysis, an updated CARC assessment, and a systematic review of the available literature studies were also performed. This assessment utilizes PBPK modeling to assess human-health risk resulting from existing and proposed uses of these triazine herbicides. Drinking water levels of comparison (DWLOCs) are calculated for comparison to estimated drinking water concentrations (EDWCs) being determined by EFED.

Risk Assessor: Tom Bloem

Designated Reviewers: Don Wilbur and PV Shah

#### Call-In Information

Call-In Number: **Ex. 6 - Personal Privacy**

Conference Code: **Ex. 6 - Personal Privacy**

DRAFT DRA can be found:

To be posted to SharePoint by November 3.

[https://usepa.sharepoint.com/sites/ocspp\\_Work/RARC/layouts/15/listform.aspx?PageType=4&ListId={26B4A288-4C8C-47DA-9780-B95593B3DA6A}&ID=30&ContentTypeID=0x010800543D2EA77AE0E5479EBD369638453B58](https://usepa.sharepoint.com/sites/ocspp_Work/RARC/layouts/15/listform.aspx?PageType=4&ListId={26B4A288-4C8C-47DA-9780-B95593B3DA6A}&ID=30&ContentTypeID=0x010800543D2EA77AE0E5479EBD369638453B58)

ALL SUPPORTING DOCUMENTS can be found:

To be posted to SharePoint by November 3.

[https://usepa.sharepoint.com/sites/ocspp\\_Work/RARC/Shared%20Documents/Supporting%20Documents%20for%20RARC%20Submissions%20\(by%20Chemical%20Name\)/Glyphosate%20\(Meeting%20on%20November%205%2C%202015\)](https://usepa.sharepoint.com/sites/ocspp_Work/RARC/Shared%20Documents/Supporting%20Documents%20for%20RARC%20Submissions%20(by%20Chemical%20Name)/Glyphosate%20(Meeting%20on%20November%205%2C%202015))

[created 11/02/2015]

**To:** Dunbar, Anwar[Dunbar.Anwar@epa.gov]  
**Cc:** Bloem, Thomas[Bloem.Thomas@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Venkateshwara, Lata[Venkateshwara.Lata@epa.gov]  
**From:** Smith, Charles  
**Sent:** Thur 11/5/2015 1:15:46 PM  
**Subject:** RE: Glyphosate RA

My Thoughts...

## Ex. 5 - Deliberative Process



# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

## Ex. 5 - Deliberative Process

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**From:** Smith, Charles

**Sent:** Thursday, November 05, 2015 5:21 AM

**To:** Dunbar, Anwar <[Dunbar.Anwar@epa.gov](mailto:Dunbar.Anwar@epa.gov)>

**Cc:** Bloem, Thomas <[Bloem.Thomas@epa.gov](mailto:Bloem.Thomas@epa.gov)>; Perron, Monique  
<[Perron.Monique@epa.gov](mailto:Perron.Monique@epa.gov)>; Venkateshwara, Lata <[Venkateshwara.Lata@epa.gov](mailto:Venkateshwara.Lata@epa.gov)>

**Subject:** Re: Glyphosate RA

## Ex. 5 - Deliberative Process

Sent from my iPhone

On Nov 4, 2015, at 6:32 PM, Dunbar, Anwar <[Dunbar.Anwar@epa.gov](mailto:Dunbar.Anwar@epa.gov)> wrote:

## Ex. 5 - Deliberative Process

Anwar Y. Dunbar, Ph.D., Pharmacologist

Risk Assessment Branch 1

The Human Health Effects Division/ The Office of Pesticide Programs

1200 Pennsylvania Ave, NW

Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers

**To:** Dunbar, Anwar[Dunbar.Anwar@epa.gov]  
**From:** Ex. 6 - Personal Privacy  
**Sent:** Wed 9/23/2015 2:58:15 PM  
**Subject:** Re: short staff notes and noteworthy acts!!

## Ex. 6 - Personal Privacy

-----Original Message-----

**From:** Dunbar, Anwar <Dunbar.Anwar@epa.gov>  
**To:** Ex. 6 - Personal Privacy  
**Sent:** Tue, Sep 22, 2015 5:43 pm  
**Subject:** FW: short staff notes and noteworthy acts!!

## Ex. 6 - Personal Privacy

Anwar Y. Dunbar, Ph.D., Pharmacologist  
Risk Assessment Branch 1  
The Human Health Effects Division/ The Office of Pesticide Programs  
1200 Pennsylvania Ave, NW  
Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers

**From:** Vogel, Dana  
**Sent:** Tuesday, September 22, 2015 5:08 PM  
**To:** OPP HED  
**Subject:** short staff notes and noteworthy acts!!

Hi Everyone,

This week's noteworthy act award goes to ... Anwar Dunbar and Greg Akerman for their hard work on the glyphosate CARC package and their well-prepared presentations to the committee. Great work Anwar and Greg!!

This week's staff notes are short. Here they are...

- ☐☐☐☐☐☐ Communications: WPS should go out next week; OP and SU DRAs noted in the Administrator's report.

- ☐☐☐☐☐☐ HRCOE: Martha Shimkin provided an update on the HRCOE current and future functions. A few highlights...The HRCOE is working on a schedule of HR-related activities that occur throughout the year (i.e, PARS milestones, ...). Martha also meets weekly with RTP HR to get a status update on all OPP personnel actions. HRCOE is also putting together a sharepoint site where managers can go to initiate the process of personnel actions in less than 30 secs!

- ☐☐☐☐☐☐ Need an OPP CFC rep, any takers?

- SFiREG is this week
- Bayer Bee tour in NC is also this week

Have a great week!

Dana

Director, Health Effects Division

Office of Pesticide Programs

USEPA

**To:** Smith, Charles[Smith.Charles@epa.gov]  
**Cc:** Bloem, Thomas[Bloem.Thomas@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]; Venkateshwara, Lata[Venkateshwara.Lata@epa.gov]  
**From:** Dunbar, Anwar  
**Sent:** Thur 11/5/2015 2:45:31 PM  
**Subject:** RE: Glyphosate RA

Okay sounds good to me.

Anwar Y. Dunbar, Ph.D., Pharmacologist

Risk Assessment Branch 1

The Human Health Effects Division/ The Office of Pesticide Programs

1200 Pennsylvania Ave, NW

Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers

**From:** Smith, Charles  
**Sent:** Thursday, November 05, 2015 8:16 AM  
**To:** Dunbar, Anwar <Dunbar.Anwar@epa.gov>  
**Cc:** Bloem, Thomas <Bloem.Thomas@epa.gov>; Perron, Monique <Perron.Monique@epa.gov>; Venkateshwara, Lata <Venkateshwara.Lata@epa.gov>  
**Subject:** RE: Glyphosate RA

My Thoughts...

## Ex. 5 - Deliberative Process



# **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**From:** Smith, Charles

**Sent:** Thursday, November 05, 2015 5:21 AM

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**Cc:** Bloem, Thomas <[Bloem.Thomas@epa.gov](mailto:Bloem.Thomas@epa.gov)>; Perron, Monique  
<[Perron.Monique@epa.gov](mailto:Perron.Monique@epa.gov)>; Venkateshwara, Lata <[Venkateshwara.Lata@epa.gov](mailto:Venkateshwara.Lata@epa.gov)>

**Subject:** Re: Glyphosate RA

## Ex. 5 - Deliberative Process

Sent from my iPhone

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## Ex. 5 - Deliberative Process

Anwar Y. Dunbar, Ph.D., Pharmacologist

Risk Assessment Branch 1

The Human Health Effects Division/ The Office of Pesticide Programs

1200 Pennsylvania Ave, NW

Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers



**To:** **Ex. 6 - Personal Privacy**  
**From:** Dunbar, Anwar  
**Sent:** Tue 9/22/2015 9:43:20 PM  
**Subject:** FW: short staff notes and noteworthy acts!!

## **Ex. 6 - Personal Privacy**

Anwar Y. Dunbar, Ph.D., Pharmacologist

Risk Assessment Branch 1

The Human Health Effects Division/ The Office of Pesticide Programs

1200 Pennsylvania Ave, NW

Washington, DC 20460

"Except for in the most unique of circumstances, mastery of any cognitively complex skill or task requires roughly 10,000 hours of practice"- Malcolm Gladwell, Author of the book Outliers

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**Sent:** Tuesday, September 22, 2015 5:08 PM  
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- HRCOE: Martha Shimkin provided an update on the HRCOE current and future functions. A few highlights...The HRCOE is working on a schedule of HR-related activities that occur throughout the year (i.e, PARS milestones, ...). Martha also meets weekly with RTP HR to get a status update on all OPP personnel actions. HRCOE is also putting together a sharepoint site where managers can go to initiate the process of personnel actions in less than 30 secs!

- Need an OPP CFC rep, any takers?

- SFiREG is this week

- Bayer Bee tour in NC is also this week

Have a great week!

Dana

Director, Health Effects Division

Office of Pesticide Programs

USEPA



**To:** Dunton, Cheryl[Dunton.Cheryl@epa.gov]  
**From:** Strauss, Linda  
**Sent:** Tue 5/3/2016 11:19:55 AM  
**Subject:** Fwd: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate  
BLOOMBERG NEWS

## **Ex. 5 - Deliberative Process**

Sent from my iPhone

Begin forwarded message:

**From:** "Strauss, Linda" <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>  
**Date:** May 2, 2016 at 5:07:14 PM EDT  
**To:** "Harrison, Melissa" <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>, "Milbourn, Cathy" <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>  
**Subject:** FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

## **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

**To:** Strauss, Linda[Strauss.Linda@epa.gov]  
**From:** Dunton, Cheryl  
**Sent:** Tue 5/3/2016 11:31:10 AM  
**Subject:** RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate  
BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

**From:** Strauss, Linda  
**Sent:** Tuesday, May 03, 2016 7:20 AM  
**To:** Dunton, Cheryl <Dunton.Cheryl@epa.gov>  
**Subject:** Fwd: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate  
BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

Sent from my iPhone

Begin forwarded message:

**From:** "Strauss, Linda" <Strauss.Linda@epa.gov>  
**Date:** May 2, 2016 at 5:07:14 PM EDT  
**To:** "Harrison, Melissa" <Harrison.Melissa@epa.gov>, "Milbourn, Cathy" <Milbourn.Cathy@epa.gov>  
**Subject:** FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate  
BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

## **Ex. 5 - Deliberative Process**

**To:** Goodis, Michael[Goodis.Michael@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Sun 5/17/2015 6:16:35 PM  
**Subject:** RE: Glyphosate

Hi Mike

## Ex. 5 - Deliberative Process

JR

Sent from my Windows Phone

---

**From:** Goodis, Michael  
**Sent:** 5/17/2015 11:23 AM  
**To:** Rowland, Jess  
**Cc:** Anderson, Neil  
**Subject:** Glyphosate

Thanks Jess

## Ex. 5 - Deliberative Process

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

goodis.michael@epa.gov

**From:** Rowland, Jess  
**Sent:** Tuesday, May 12, 2015 7:20 AM  
**To:** Goodis, Michael  
**Subject:** RE: Bilateral EPA EFSA cooperation on pesticides  
**Importance:** High

Hi Mike

I don't have a summary of the IARC's conclusion other than the attached Lance publication which basically summarizes the IARC meeting conclusions.

I don't have any information on EFSA's position on glyphosate. I searched their web and did not locate any document on glyphosate carcinogenicity.

HED's CARC is scheduled to review all available epidemiological and animal data and IARC's decision logic on June 24<sup>th</sup> for inclusion into the July PRA.

Hope this helps

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Goodis, Michael  
**Sent:** Monday, May 11, 2015 1:10 PM  
**To:** Rowland, Jess  
**Subject:** FW: Bilateral EPA EFSA cooperation on pesticides

Jess

See below...I've been asked to meet with EFSA to discuss a handful of items including the IARC classification for glyphosate.

## Ex. 5 - Deliberative Process

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

[goodis.michael@epa.gov](mailto:goodis.michael@epa.gov)

**From:** TARAZONA Jose [<mailto:Jose.TARAZONA@efsa.europa.eu>]

**Sent:** Friday, May 08, 2015 2:25 PM

**To:** Goodis, Michael

**Cc:** Sappington, Keith

**Subject:** Bilateral EPA EFSA cooperation on pesticides

Dear Michael,

Following the email from Keith, please let me know if you see the option for a bilateral meeting in Paris on 20 May morning before the OECD Pesticides WG. I would like to have a general informal bilateral discussion on several issues related to the cooperation between our agencies, including the nanopesticides issue, but also neonicotinoids risk for bees (we will launch soon a public call for data), and the IARC classification of glyphosate (we will incorporate our assessment in the on-going peer-review).

Looking forward to hearing from you.

Best regards,

Jose

**Dr José V. Tarazona**

Head of the Pesticides Unit



Via Carlo Magno 1/A

I-43126 Parma

Italy

Tel: +39 0521 036 825 Fax: +39 0521 036 0825

E-mail: [Jose.Tarazona@efsa.europa.eu](mailto:Jose.Tarazona@efsa.europa.eu)

[www.efsa.europa.eu](http://www.efsa.europa.eu)

[twitter.com/EFSA\\_EU](https://twitter.com/EFSA_EU) 

[youtube.com/EFSAchannel](https://youtube.com/EFSAchannel) 

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**To:** Goodis, Michael[Goodis.Michael@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Tue 5/12/2015 11:20:07 AM  
**Subject:** RE: Bilateral EPA EFSA cooperation on pesticides  
Lancet Onco Carcinogenicity of tetrachlorvinphos parathion malathion .pdf

Hi Mike

I don't have a summary of the IARC's conclusion other than the attached Lance publication which basically summarizes the IARC meeting conclusions.

I don't have any information on EFSA's position on glyphosate. I searched their web and did not locate any document on glyphosate carcinogenicity.

HED's CARC is scheduled to review all available epidemiological and animal data and IARC's decision logic on June 24<sup>th</sup> for inclusion into the July PRA.

Hope this helps

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Goodis, Michael  
**Sent:** Monday, May 11, 2015 1:10 PM  
**To:** Rowland, Jess  
**Subject:** FW: Bilateral EPA EFSA cooperation on pesticides

Jess

See below...I've been asked to meet with EFSA to discuss a handful of items including the IARC classification for glyphosate.

## Ex. 5 - Deliberative Process

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

[goodis.michael@epa.gov](mailto:goodis.michael@epa.gov)

**From:** TARAZONA Jose [<mailto:Jose.TARAZONA@efsa.europa.eu>]

**Sent:** Friday, May 08, 2015 2:25 PM

**To:** Goodis, Michael

**Cc:** Sappington, Keith

**Subject:** Bilateral EPA EFSA cooperation on pesticides

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Best regards,

Jose

**Dr José V. Tarazona**

Head of the Pesticides Unit



Via Carlo Magno 1/A

I-43126 Parma

Italy

Tel: +39 0521 036 825 Fax: +39 0521 036 0825

E-mail: [Jose.Tarazona@efsa.europa.eu](mailto:Jose.Tarazona@efsa.europa.eu)

[www.efsa.europa.eu](http://www.efsa.europa.eu)

[twitter.com/EFSA\\_EU](https://twitter.com/EFSA_EU) 

[youtube.com/EFSAchannel](https://youtube.com/EFSAchannel) 

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**To:** Sisco, Debby[Sisco.Debby@epa.gov]  
**Cc:** Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]  
**From:** Goodis, Michael  
**Sent:** Mon 8/10/2015 7:59:19 PM  
**Subject:** RE: From Jim

Glyphosate: The draft risk assessment is scheduled to be released in December 2015, following the review of the IARC monograph and the HED CARC , and a Reg Review decision is expected to be completed sometime in later 2017.

Paraquat: the draft risk assessment planned to be released in June 2017 and a Reg. Review decision in September 2018. In the interim, we are working on a mitigation approach to address the high number and severity of accidental ingestion/occupational incidents ahead of the typical mitigation phase of Reg. Review.

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

goodis.michael@epa.gov

**From:** Sisco, Debby  
**Sent:** Monday, August 10, 2015 1:29 PM  
**To:** Goodis, Michael  
**Cc:** Dinkins, Darlene  
**Subject:** FW: From Jim

Mike,

Can you send me your projected schedule for glyphosate and paraquat? See request from Jim below.

## Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)  
Ethics Officer and Special Assistant to the Director  
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Jordan, William  
**Sent:** Monday, August 10, 2015 12:24 PM  
**To:** Sisco, Debby; Housenger, Jack  
**Cc:** Monell, Marty; Dinkins, Darlene  
**Subject:** RE: From Jim

My thoughts in green.

William Jordan

Deputy Director, Programs

Office of Pesticide Programs

U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

Mailing Address:

USEPA Headquarters

Clinton Building

1200 Pennsylvania Ave., NW

Mail Code (7501P)

Washington, DC 20460

Courier Address:

Potomac Yards South

2777 Crystal Drive

Room 12-235

Arlington, VA

**From:** Sisco, Debby

**Sent:** Monday, August 10, 2015 12:13 PM

**To:** Housenger, Jack; Jordan, William

**Cc:** Monell, Marty; Dinkins, Darlene

**Subject:** FW: From Jim

Debby Sisco

Office of Pesticide Programs (7501P)

Ethics Officer and Special Assistant to the Director

Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Mojica, Andrea  
**Sent:** Monday, August 10, 2015 11:12 AM  
**To:** Dinkins, Darlene; Sisco, Debby  
**Subject:** From Jim

A few things from Jim this morning:

## **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

Thanks,

Andrea



**To:** Deener, Kathleen[Deener.Kathleen@epa.gov]  
**Sent:** Wed 5/4/2016 4:20:04 PM  
**Subject:** RE: Urgent

Speaking of glyphosate, I am sure you saw this:

**EPA Pulls Preliminary Report Saying Glyphosate “Not Likely To Be Carcinogenic To Humans.”**

Politico (5/3) reports that the EPA's Cancer Assessment Review Committee (CARC) “has made a preliminary finding” that glyphosate is “not likely to be carcinogenic to humans.” CARC “said evidence from existing epidemiological studies and tests of lab animals doesn't meet the bar for classifying the chemical as a carcinogen.” On Monday, the EPA briefly posted a document “labeled as a final report” to the regulatory docket, but quickly took the report offline saying that the review of glyphosate is not yet ready to be released. Politico says that “final or not, the glyphosate cancer finding is getting cheers from Monsanto.” CEO and chairman Hugh Grant said that “this conclusion by the US EPA once again reinforces” the safety of glyphosate.

In an email to Bloomberg BNA (5/3, Schultz), EPA spokeswoman Melissa Harrison said, “Preliminary glyphosate documents were inadvertently posted to the Agency's docket. These documents have now been taken down because our assessment is not final.”

Des Moines (IA) Register (5/3) reports that the EPA “said Tuesday it doesn't expect to finish its review of glyphosate until later this year.” Also reporting on the story are Farm Progress (5/3), Chem Info (5/3), Hoosier Ag Today (5/2), Delta Farm Press (5/3), Brownfield Ag News (5/3), and the Western Producer (5/3). KRTV-TV Great Falls, MT (5/3, 2:17 p.m. EDT) also reports on the EPA's findings in it “Ag Report” broadcast.

**From:** Deener, Kathleen  
**Sent:** Wednesday, May 04, 2016 11:51 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Urgent

Thank you!

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

deener.kathleen@epa.gov

**From:** Bahadori, Tina  
**Sent:** Wednesday, May 04, 2016 11:47 AM  
**To:** Deener, Kathleen <Deener.Kathleen@epa.gov>  
**Subject:** RE: Urgent

# Ex. 5 - Deliberative Process

Please let me know if you have additional questions.

Tina

**From:** Deener, Kathleen  
**Sent:** Wednesday, May 04, 2016 11:37 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Urgent

Thanks (and sorry I don't remember!). I'll let him know this is happening. If you have a short description on hand, then send it my way. If you don't have something on hand, then no worries.

Thanks!

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina  
**Sent:** Wednesday, May 04, 2016 11:36 AM  
**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>  
**Subject:** RE: Urgent

I had mentioned it to him (and to you) before – and OSP has been involved too. You want more information?

**From:** Deener, Kathleen

**Sent:** Wednesday, May 04, 2016 11:35 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Urgent

Does Tom know? If it's being announced in a press release, he needs to know about it before it's announced to the world.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina  
**Sent:** Wednesday, May 04, 2016 11:34 AM  
**To:** Deener, Kathleen <Deener.Kathleen@epa.gov>  
**Subject:** RE: Urgent

## Ex. 5 - Deliberative Process

**From:** Deener, Kathleen  
**Sent:** Wednesday, May 04, 2016 11:33 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Urgent

## Ex. 5 - Deliberative Process

Thanks for sharing!

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina

**Sent:** Wednesday, May 04, 2016 11:23 AM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>

**Subject:** Urgent

This came from OPP just now for me to review. DO you want to look with your 'Kacee eyes?' It is very urgent, apparently.

T.

**From:** Lowit, Anna

**Sent:** Wednesday, May 04, 2016 11:22 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Subject:** FW: need to work on a glyphosate communications paragraph this am

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Lowit, Anna

**Sent:** Wednesday, May 04, 2016 11:02 AM

**To:** Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>; Smith, Charles <[Smith.Charles@epa.gov](mailto:Smith.Charles@epa.gov)>; Lowit, Anna <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Lowe, Kelly <[Lowe.Kelly@epa.gov](mailto:Lowe.Kelly@epa.gov)>; Akerman, Gregory <[Akerman.Gregory@epa.gov](mailto:Akerman.Gregory@epa.gov)>; Dunbar, Anwar <[Dunbar.Anwar@epa.gov](mailto:Dunbar.Anwar@epa.gov)>; Perron, Monique <[Perron.Monique@epa.gov](mailto:Perron.Monique@epa.gov)>

**Subject:** FW: need to work on a glyphosate communications paragraph this am

I got a small change from MikeD, see attached & Laura B-F from NCI is fine with the text.

I don't have any additional edits, simple & concise.

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Devito, Michael (NIH/NIEHS) [E] [<mailto:devitom@niehs.nih.gov>]

**Sent:** Wednesday, May 04, 2016 10:51 AM

**To:** Lowit, Anna <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>

**Subject:** RE: need to work on a glyphosate communications paragraph this am

Minor change. NTP is an interagency program that is headquartered at the NIEHS. It also includes the USFDA (NCTR) and NIOSH/CDC.

Michael DeVito, Ph.D.

Acting Chief

NTP Laboratory

National Toxicology Program

National Institute of Environmental Health Sciences

111 TW Alexander Drive, PO Box 12233

MD: E107, Research Triangle Park, NC 27709

Tel: 919.541.4142 • Fax: 919.541.3715

[devitom@niehs.nih.gov](mailto:devitom@niehs.nih.gov)

**From:** Lowit, Anna [<mailto:Lowit.Anna@epa.gov>]

**Sent:** Wednesday, May 04, 2016 10:38 AM

**To:** Devito, Michael (NIH/NIEHS) [E]

**Subject:** FW: need to work on a glyphosate communications paragraph this am

**Importance:** High

Can u look at this asap

Sent from my Windows Phone

---

**From:** [Perron, Monique](#)

**Sent:** 5/4/2016 10:06 AM

**To:** [Vogel, Dana](#); [Smith, Charles](#); [Lowit, Anna](#); [Dawson, Jeffrey](#)

**Cc:** [Lowe, Kelly](#); [Akerman, Gregory](#); [Dunbar, Anwar](#)

**Subject:** RE: need to work on a glyphosate communications paragraph this am

## Ex. 5 - Deliberative Process

Thanks,

Monique

**From:** Vogel, Dana

**Sent:** Wednesday, May 04, 2016 7:50 AM

**To:** Smith, Charles <[Smith.Charles@epa.gov](mailto:Smith.Charles@epa.gov)>; Lowit, Anna <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>; Perron, Monique <[Perron.Monique@epa.gov](mailto:Perron.Monique@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>

**Subject:** need to work on a glyphosate communications paragraph this am

All,

Rick called and wants a communications writeup THIS morning on your plan for glyphosate. Anna- I know you had some thoughts on this and not sure if Monique has started something but we now need it asap. Can you guys work on something and circulate it around?

Director, Health Effects Division

Office of Pesticide Programs

USEPA

703-305-0874



**To:** Egeghy, Peter[Egeghy.Peter@epa.gov]  
**Cc:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Kenneke, John[Kenneke.John@epa.gov]; Fortmann, Roy[Fortmann.Roy@epa.gov]  
**From:** Stroup, Gene  
**Sent:** Fri 11/6/2015 2:07:41 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Looks great, Peter. Thanks for the taking time to comment. I will send it along to Jackie. Have a good weekend.

Gene

---

Gene Stroup  
Regulatory Support Coordinator  
National Exposure Research Lab  
US EPA  
Phone: 919-541-1894  
Fax: 919-541-7588  
stroup.gene@epa.gov

US Mail Address:  
US EPA  
Attn: Gene Stroup  
Mail Code D305-01  
Durham, NC 27711

Courier Address:  
US EPA  
Attn: Gene Stroup  
Office # D311K  
4930 Page Road  
Durham, NC 27703

**From:** Egeghy, Peter  
**Sent:** Friday, November 06, 2015 8:23 AM  
**To:** Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Kenneke, John <Kenneke.John@epa.gov>; Fortmann, Roy <Fortmann.Roy@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Hi Gene,

Please review the attached memo on the discrepancies between the IARC and CARC evaluations of glyphosate. If possible, I would appreciate it if you could send it on to Jackie McQueen by lunch time.

Thanks,

Peter

Peter P. Egeghy, Ph.D. M.P.H.  
National Exposure Research Laboratory  
U.S. Environmental Protection Agency  
Mail Drop E205-04  
Research Triangle Park, NC 27711  
(919) 541-4103

**From:** McQueen, Jacqueline  
**Sent:** Wednesday, November 04, 2015 7:20 AM  
**To:** Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Cc:** Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks, Peter. We would appreciate your input and any quick feedback from you. I will follow up with you later today.

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**From:** Egeghy, Peter  
**Sent:** Tuesday, November 03, 2015 3:53 PM  
**To:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
**Cc:** Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Jackie,

I'll be happy to take a look at this shortly. While I wasn't able to participate in the IARC deliberations, I was an author of some sections of the glyphosate monograph and am very familiar with the exposure considerations.

Thanks,

Peter

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U.S. Environmental Protection Agency  
Mail Drop E205-04  
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(919) 541-4103

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development

Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Stroup, Gene[Stroup.Gene@epa.gov]  
**Cc:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Kenneke, John[Kenneke.John@epa.gov]; Fortmann, Roy[Fortmann.Roy@epa.gov]  
**From:** Egeghy, Peter  
**Sent:** Fri 11/6/2015 1:23:00 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate  
Review of conflicting glyphosate assessments Egeghy.docx

Hi Gene,

Please review the attached memo on the discrepancies between the IARC and CARC evaluations of glyphosate. If possible, I would appreciate it if you could send it on to Jackie McQueen by lunch time.

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Peter

Peter P. Egeghy, Ph.D. M.P.H.  
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U.S. Environmental Protection Agency  
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**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
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Office of Science Policy  
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(202) 564-6639

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**Cc:** Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Jackie,

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Thanks,

Peter

Peter P. Egeghy, Ph.D. M.P.H.  
National Exposure Research Laboratory  
U.S. Environmental Protection Agency  
Mail Drop E205-04  
Research Triangle Park, NC 27711  
(919) 541-4103

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**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process



Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Lobdell, Danelle[Lobdell.Danelle@epa.gov]  
**Cc:** Tietge, Joe[Tietge.Joe@epa.gov]; Wade, Tim[Wade.Tim@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]  
**From:** Wood, Charles  
**Sent:** Wed 11/4/2015 6:39:56 PM  
**Subject:** RE: quick question

Hi Tina,

Along with Danelle, I participated in the OPP Cancer Assessment Review Committee (CARC) review of glyphosate. (I have served as the CARC pathologist for several years.) My focus was the animal data. I spoke with Jackie this morning and plan to be on the call with Tom Burke tomorrow. Let me know if you need more information.

--Charles

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 12:22 PM  
**To:** Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>  
**Cc:** Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>  
**Subject:** RE: quick question

## Ex. 5 - Deliberative Process

Tina

**From:** Lobdell, Danelle  
**Sent:** Wednesday, November 04, 2015 12:13 PM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>  
**Cc:** Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>  
**Subject:** RE: quick question

Hi Tina,

I was involved with reviewing the epi literature for the cancer assessment. I was not involved with the overall risk assessment.

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

USEPA

MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 12:11 PM  
**To:** Wood, Charles <[Wood.Charles@epa.gov](mailto:Wood.Charles@epa.gov)>; Lobdell, Danelle <[Lobdell.Danelle@epa.gov](mailto:Lobdell.Danelle@epa.gov)>  
**Cc:** Tietge, Joe <[Tietge.Joe@epa.gov](mailto:Tietge.Joe@epa.gov)>  
**Subject:** quick question

Hello Charles and Danelle,

Others may have asked but I am away at SETAC and a little time lagged. Were you two involved with OPP's glyphosate risk and cancer assessments? If so, to what extent.

Thanks so much,

Tina

---

**Tina Bahadori, Sc.D.**

**National Program Director, Chemical Safety for Sustainability (ORD/EPA)**

DC RRB-41282; 1200 Pennsylvania Avenue, NW, RRB:MC 8101R, Washington, DC 20460

phone: 202.564.0428; mobile: 202.680.8771; Email: [Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)

**To:** Saterson, Kathryn[Saterson.Kathryn@epa.gov]; Hines, Ronald[Hines.Ronald@epa.gov]  
**Cc:** Walton, Barb[Walton.Barb@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Tietge, Joe[Tietge.Joe@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]; Russo, Bill[Russo.Bill@epa.gov]  
**From:** Fontaine, Thomas  
**Sent:** Wed 11/4/2015 6:31:29 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks. Sounds like the bases are covered.

Thomas D. Fontaine, Ph.D.

Associate Director for Ecology

National Health and Environmental Effects Research Laboratory

Office of Research and Development

US Environmental Protection Agency

Physical address:

200 S.W. 35th St., Corvallis, OR 97333

Phones:

541 754 4603 (work)

541 979 0565 (cell)

Administrative assistants

-

Paul Gates, gates.paul@epa.gov, 541 754 4601

Toni Ward, ward.antoINETte@epa.gov, 919-541-7698

**From:** Saterson, Kathryn

**Sent:** Wednesday, November 04, 2015 10:28 AM

**To:** Hines, Ronald; Fontaine, Thomas

**Cc:** Walton, Barb; Bahadori, Tina; Tietge, Joe; Cascio, Wayne; Russo, Bill

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Following up on our conversation this morning, I need to clarify that the risk assessment for glyphosate is for human health. So there should be no need to forward to the ecologists we discussed, unless you feel there are others in the eco divisions with expertise on the health impacts?

Tina Bahadori indicates below that Charles Wood and Danelle Lobdell have already been contacted by OPP to provide review. Unless you have additional suggestions for NHEERL reviewers, we should be ok for now.

Kathryn

Kathryn A. Saterson, Ph.D.

Acting Director of Research Planning and Coordination

National Health and Environmental Effects Research Laboratory

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

Phone: 919-541-2535

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 12:47 PM  
**To:** Saterson, Kathryn <[Saterson.Kathryn@epa.gov](mailto:Saterson.Kathryn@epa.gov)>  
**Cc:** Tietge, Joe <[Tietge.Joe@epa.gov](mailto:Tietge.Joe@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Kathryn,

I think the connections with NHEERL did occur through OSP. Charles Wood and Danelle Lobdell have been invited to participate in the review. So, we are good!!

Thank you!  
Tina

**From:** Saterson, Kathryn  
**Sent:** Wednesday, November 04, 2015 11:54 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you Tina for keeping me in the loop.

I'll forward now to several NHEERL folks to seek interest in responding.

Kathryn

Kathryn A. Saterson, Ph.D.  
Acting Director of Research Planning and Coordination  
National Health and Environmental Effects Research Laboratory  
U.S. Environmental Protection Agency  
Research Triangle Park, NC 27711

Phone: 919-541-2535

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 4:00 PM  
**To:** Saterson, Kathryn <[Saterson.Kathryn@epa.gov](mailto:Saterson.Kathryn@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Kathryn,

Just to keep you in the loop. I know Barb is at SETAC.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process



# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Hines, Ronald[Hines.Ronald@epa.gov]; Fontaine, Thomas[Fontaine.Thomas@epa.gov]  
**Cc:** Walton, Barb[Walton.Barb@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]; Tietge, Joe[Tietge.Joe@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]; Russo, Bill[Russo.Bill@epa.gov]  
**From:** Saterson, Kathryn  
**Sent:** Wed 11/4/2015 6:28:24 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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Kathryn

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National Health and Environmental Effects Research Laboratory

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

Phone: 919-541-2535

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**Sent:** Wednesday, November 04, 2015 12:47 PM  
**To:** Saterson, Kathryn <Saterson.Kathryn@epa.gov>  
**Cc:** Tietge, Joe <Tietge.Joe@epa.gov>  
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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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National Health and Environmental Effects Research Laboratory

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

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## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** Crofton, Kevin  
**Sent:** Wed 11/4/2015 1:01:43 PM  
**Subject:** RE: Just wanted to be sure

Told him to do so yesterday.

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 8:01 AM  
**To:** Crofton, Kevin <Crofton.Kevin@epa.gov>  
**Cc:** Cowden, John <Cowden.John@epa.gov>  
**Subject:** RE: Just wanted to be sure

Just please make sure he loops back to Jackie. Bob wants OSP to coordinate this well.

THANK YOU!!!!  
Tina

**From:** Crofton, Kevin  
**Sent:** Wednesday, November 04, 2015 8:00 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Cowden, John <Cowden.John@epa.gov>  
**Subject:** RE: Just wanted to be sure

Yes. Talked to Matt yesterday. He is working on it. Hope to have something tomorrow.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 7:26 AM  
**To:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>  
**Cc:** Cowden, John <[Cowden.John@epa.gov](mailto:Cowden.John@epa.gov)>  
**Subject:** Just wanted to be sure

Kevin,

## Ex. 5 - Deliberative Process

Thanks,

T.

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**Cc:** Cowden, John[Cowden.John@epa.gov]  
**From:** Crofton, Kevin  
**Sent:** Wed 11/4/2015 12:59:58 PM  
**Subject:** RE: Just wanted to be sure

Yes. Talked to Matt yesterday. He is working on it. Hope to have something tomorrow.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 7:26 AM  
**To:** Crofton, Kevin <Crofton.Kevin@epa.gov>  
**Cc:** Cowden, John <Cowden.John@epa.gov>  
**Subject:** Just wanted to be sure

Kevin,

## Ex. 5 - Deliberative Process

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Fegley, Robert[Fegley.Robert@epa.gov]; Hauchman, Fred[hauchman.fred@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Wed 11/4/2015 12:49:34 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Let me talk with them to see their involvement.

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 7:35 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

OK, great. What about NHEERL's Charles Wood and Danelle Lobdell? As I said, they were on the OCSPP meeting invite and were put there by OPP, not ORD. If they were involved with this assessment and in light of Vince's concerns, we want to make sure our ORD narrative is not conflicted.

Thanks so much,

Tina

**From:** McQueen, Jacqueline  
**Sent:** Wednesday, November 04, 2015 7:19 AM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

Just wanted you to see the quick feedback from NCEA. I think if NCEA can really commit these



people (we need to discuss the workload issue), then between them and perhaps Peter Egeghy and Matt because they have the IARC background, I think we should be covered. I haven't talked to Peter or Matt but will hopefully track them down today. Tina, if you run into them at your meeting, feel free to touch base.

I will talk with Norm Birchfield this morning to get more info. on NCEA involvement, but it seems that we will need more time to conduct a thorough review. We will need to alert management and let them sort out this part. I will talk with Bob when he comes in. Fred is on travel and won't be here until Friday at the earliest.

Jackie

**From:** Cogliano, Vincent

**Sent:** Tuesday, November 03, 2015 6:28 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman

**Sent:** Tuesday, November 03, 2015 1:37 PM

**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>;

Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Egeghy, Peter[Egeghy.Peter@epa.gov]  
**Cc:** Stroup, Gene[Stroup.Gene@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Wed 11/4/2015 12:19:49 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks, Peter. We would appreciate your input and any quick feedback from you. I will follow up with you later today.

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**From:** Egeghy, Peter  
**Sent:** Tuesday, November 03, 2015 3:53 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Cc:** Stroup, Gene <Stroup.Gene@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Jackie,

I'll be happy to take a look at this shortly. While I wasn't able to participate in the IARC deliberations, I was an author of some sections of the glyphosate monograph and am very familiar with the exposure considerations.

Thanks,

Peter

Peter P. Egeghy, Ph.D. M.P.H.

National Exposure Research Laboratory  
U.S. Environmental Protection Agency  
Mail Drop E205-04  
Research Triangle Park, NC 27711  
(919) 541-4103

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**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
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Good afternoon,

# Ex. 5 - Deliberative Process

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Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Fegley, Robert[Fegley.Robert@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov];  
Hauchman, Fred[hauchman.fred@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Wed 11/4/2015 12:18:33 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

Just wanted you to see the quick feedback from NCEA. I think if NCEA can really commit these people (we need to discuss the workload issue), then between them and perhaps Peter Egeghy and Matt because they have the IARC background, I think we should be covered. I haven't talked to Peter or Matt but will hopefully track them down today. Tina, if you run into them at your meeting, feel free to touch base.

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**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>;

Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]; McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Fegley, Robert  
**Sent:** Tue 11/3/2015 9:02:48 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I think we sent something to Barb more as a formality to make sure she was aware of the request.  
I don't think she probably needs to be substantively involved.

## Ex. 5 - Deliberative Process

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 3:59 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie,

Two NHEERL names that have come up for glyphosate is Charles Wood and Danelle Lobdell...I wanted to put those on your radar. Barb Walton is also here at SETAC – I am not sure if she is looking at email, but you may need to ping her supervisor Kathryn Saterson?

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development

Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**Cc:** Stroup, Gene[Stroup.Gene@epa.gov]; Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** Egeghy, Peter  
**Sent:** Tue 11/3/2015 8:52:47 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Jackie,

I'll be happy to take a look at this shortly. While I wasn't able to participate in the IARC deliberations, I was an author of some sections of the glyphosate monograph and am very familiar with the exposure considerations.

Thanks,

Peter

Peter P. Egeghy, Ph.D. M.P.H.  
National Exposure Research Laboratory  
U.S. Environmental Protection Agency  
Mail Drop E205-04  
Research Triangle Park, NC 27711  
(919) 541-4103

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639





**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Tue 11/3/2015 4:58:31 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

## Ex. 5 - Deliberative Process

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 11:42 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you for being patient with my 'style!'

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 11:39 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Yes, I did. I didn't know where you were. Thanks for talking, it was helpful.

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 11:02 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I assume you meant Eastern time, right??

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 11:01 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

ok

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:56 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Let's do 11. If you are together, then please call me on my cell

**Ex. 6 - Personal Privacy**

Tina

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:53 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Either 11 am or 2:30 works for both of us.

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:28 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I can make time – let me know if you can find a window for both of you.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:27 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

That would be helpful. Let me see if Bob is around. If not this morning, are you available later in the day?

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:19 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

If you and Bob Fegley are available for a quick call this morning, I am can give you some more Burke background.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:17 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Hi Tina

## Ex. 5 - Deliberative Process

Jackie

**From:** Bahadori, Tina

**Sent:** Tuesday, November 03, 2015 9:31 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>

**Cc:** Hubal, Elaine <[Hubal.Elaine@epa.gov](mailto:Hubal.Elaine@epa.gov)>; Loughran, Michael <[Loughran.Michael@epa.gov](mailto:Loughran.Michael@epa.gov)>; Blair, Susanna <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>

**Subject:** Draft Human Health Risk Assessment for Glyphosate

Dear Bob and Jackie,

## Ex. 5 - Deliberative Process

Thanks,

Tina

**From:** Smith, Charles

**Sent:** Tuesday, November 03, 2015 8:17 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>

**Cc:** Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>

**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Tue 11/3/2015 4:39:21 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Yes, I did. I didn't know where you were. Thanks for talking, it was helpful.

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 11:02 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I assume you meant Eastern time, right??

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 11:01 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

ok

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:56 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Let's do 11. If you are together, then please call me on my cell

Ex. 6 - Personal Privacy

Tina

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:53 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

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**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
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**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
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**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Hi Tina

## Ex. 5 - Deliberative Process

Jackie

**From:** Bahadori, Tina

**Sent:** Tuesday, November 03, 2015 9:31 AM

**To:** Fegley, Robert <Fegley.Robert@epa.gov>; McQueen, Jacqueline

<McQueen.Jacqueline@epa.gov>

**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael

<Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>

**Subject:** Draft Human Health Risk Assessment for Glyphosate

Dear Bob and Jackie,

# Ex. 5 - Deliberative Process

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**From:** Smith, Charles

**Sent:** Tuesday, November 03, 2015 8:17 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Cc:** Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)>

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Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** Blair, Susanna  
**Sent:** Tue 11/3/2015 4:38:41 PM  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

Ok great. It will be interesting.

Sent from my iPhone

On Nov 3, 2015, at 11:37 AM, Bahadori, Tina <Bahadori.Tina@epa.gov> wrote:

Thanks – they just ended up calling me on the cell and I gave them the background we heard from Dana yesterday. So, we'll see how this all unfolds.

t.

**From:** Blair, Susanna  
**Sent:** Tuesday, November 03, 2015 11:21 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

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Hi Tina

## Ex. 5 - Deliberative Process

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**Sent:** Tuesday, November 03, 2015 9:31 AM  
**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
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## Ex. 5 - Deliberative Process

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**Cc:** Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)>  
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Branch Chief RAB1

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Office of Pesticide Programs

703-305-0291

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**From:** Blair, Susanna  
**Sent:** Tue 11/3/2015 4:20:49 PM  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

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Sent from my iPhone

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**Sent:** Tuesday, November 03, 2015 8:17 AM  
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**Sent:** Tuesday, November 03, 2015 8:17 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Cc:** Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## **Ex. 5 - Deliberative Process**

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]; Fegley, Robert[Fegley.Robert@epa.gov]  
**Cc:** Hubal, Elaine[Hubal.Elaine@epa.gov]; Loughran, Michael[Loughran.Michael@epa.gov]; Blair, Susanna[Blair.Susanna@epa.gov]  
**From:** McQueen, Jacqueline  
**Sent:** Tue 11/3/2015 3:16:42 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Hi Tina

## Ex. 5 - Deliberative Process

Jackie

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 9:31 AM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Dear Bob and Jackie,

## Ex. 5 - Deliberative Process

Thanks,

Tina

**From:** Smith, Charles

**Sent:** Tuesday, November 03, 2015 8:17 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Cc:** Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)>

**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291





**To:** Bahadori, Tina[Bahadori.Tina@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Smith, Charles  
**Sent:** Tue 11/3/2015 1:17:17 PM  
**Subject:** Draft Human Health Risk Assessment for Glyphosate  
417300 2015-10-01 TXR0057299.pdf  
Glyohosate Draft Final Risk assessment - 2-Nov-2015 (II).docx

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Wood, Charles[Wood.Charles@epa.gov]  
**Cc:** Lobdell, Danelle[Lobdell.Danelle@epa.gov]; Tietge, Joe[Tietge.Joe@epa.gov]; Wade, Tim[Wade.Tim@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 7:57:41 PM  
**Subject:** Re: quick question

## Ex. 5 - Deliberative Process

Tina

Sent from my iPhone

On Nov 4, 2015, at 11:39 AM, Wood, Charles <[Wood.Charles@epa.gov](mailto:Wood.Charles@epa.gov)> wrote:

Hi Tina,

Along with Danelle, I participated in the OPP Cancer Assessment Review Committee (CARC) review of glyphosate. (I have served as the CARC pathologist for several years.) My focus was the animal data. I spoke with Jackie this morning and plan to be on the call with Tom Burke tomorrow. Let me know if you need more information.

--Charles

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 12:22 PM  
**To:** Lobdell, Danelle <[Lobdell.Danelle@epa.gov](mailto:Lobdell.Danelle@epa.gov)>; Wood, Charles <[Wood.Charles@epa.gov](mailto:Wood.Charles@epa.gov)>  
**Cc:** Tietge, Joe <[Tietge.Joe@epa.gov](mailto:Tietge.Joe@epa.gov)>; Wade, Tim <[Wade.Tim@epa.gov](mailto:Wade.Tim@epa.gov)>; Cascio, Wayne <[Cascio.Wayne@epa.gov](mailto:Cascio.Wayne@epa.gov)>  
**Subject:** RE: quick question

## Ex. 5 - Deliberative Process

Thanks for getting back to me so quickly.

Tina

**From:** Lobdell, Danelle

**Sent:** Wednesday, November 04, 2015 12:13 PM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>

**Cc:** Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>

**Subject:** RE: quick question

Hi Tina,

I was involved with reviewing the epi literature for the cancer assessment. I was not involved with the overall risk assessment.

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

USEPA

MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Bahadori, Tina

**Sent:** Wednesday, November 04, 2015 12:11 PM

**To:** Wood, Charles <[Wood.Charles@epa.gov](mailto:Wood.Charles@epa.gov)>; Lobdell, Danelle  
<[Lobdell.Danelle@epa.gov](mailto:Lobdell.Danelle@epa.gov)>

**Cc:** Tietge, Joe <[Tietge.Joe@epa.gov](mailto:Tietge.Joe@epa.gov)>

**Subject:** quick question

Hello Charles and Danelle,

Others may have asked but I am away at SETAC and a little time lagged. Were you two involved with OPP's glyphosate risk and cancer assessments? If so, to what extent.

Thanks so much,

Tina

---

**Tina Bahadori, Sc.D.**

**National Program Director, Chemical Safety for Sustainability (ORD/EPA)**

DC RRB-41282; 1200 Pennsylvania Avenue, NW, RRB:MC 8101R, Washington, DC 20460

phone: 202.564.0428; mobile: 202.680.8771; Email: [Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)

**To:** Saterson, Kathryn[Saterson.Kathryn@epa.gov]  
**Cc:** Tietge, Joe[Tietge.Joe@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 5:46:39 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Kathryn,

I think the connections with NHEERL did occur through OSP. Charles Wood and Danelle Lobdell have been invited to participate in the review. So, we are good!!

Thank you!  
Tina

**From:** Saterson, Kathryn  
**Sent:** Wednesday, November 04, 2015 11:54 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you Tina for keeping me in the loop.

I'll forward now to several NHEERL folks to seek interest in responding.

Kathryn

Kathryn A. Saterson, Ph.D.

Acting Director of Research Planning and Coordination

National Health and Environmental Effects Research Laboratory

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

Phone: 919-541-2535

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 4:00 PM  
**To:** Saterson, Kathryn <[Saterson.Kathryn@epa.gov](mailto:Saterson.Kathryn@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Kathryn,

Just to keep you in the loop. I know Barb is at SETAC.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** Tietge, Joe[Tietge.Joe@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 5:46:36 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Just to keep you in the loop.

**From:** McQueen, Jacqueline  
**Sent:** Wednesday, November 04, 2015 12:35 PM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Deener, Kathleen <Deener.Kathleen@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Gentry, Nathan <Gentry.Nathan@epa.gov>; Smith, Kelley <Smith.Kelley@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Here is some clarification:

Danelle Lobdell is an ORD epidemiologist who was tasked, at first, to assist the OPP epidemiologist with review of the glyphosate literature. The OPP scientist left OPP and went to FDA. OPP asked Danelle to take over the review and to participate in the CARC, which she did.

Charles Wood is an ORD pathologist, and apparently, the only pathologist at EPA. He is a standing member of the OPP CARC, and he reviewed the animal data on glyphosate.

Both are planning to call into the briefing on Thursday. As Bob said, I set up a meeting with OSP and Norm Birchfield for 1 pm today to talk. I am hopeful that at least Norm and Vince Cogliano from NCEA can call in on Thursday as well.

Jackie

**From:** Fegley, Robert  
**Sent:** Wednesday, November 04, 2015 12:08 PM  
**To:** Deener, Kathleen <Deener.Kathleen@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>;

Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Cc:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Sorry for the delay, but in back-to-back meetings... .

I don't know of their involvement to date but Jackie may (cc'ed here). She and I are meeting at 1 with Norm to talk about the issue generally, and we will also talk about the meeting tomorrow (not sure that is currently on NCEA's radar).

**From:** Deener, Kathleen  
**Sent:** Wednesday, November 04, 2015 9:27 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Agree – Bob – do you know anything about their involvement?

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 9:26 AM  
**To:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

# Ex. 5 - Deliberative Process

Tina

**From:** Gentry, Nathan  
**Sent:** Wednesday, November 04, 2015 9:22 AM  
**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Here's what they sent yesterday.

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Deener, Kathleen  
**Sent:** Wednesday, November 04, 2015 9:20 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>  
**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I was working on the assumption that it's a briefing, but I don't believe I've ever heard anyone state that.

Nathan – do you know more? Have they sent briefing materials yet?

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Bahadori, Tina

**Sent:** Wednesday, November 04, 2015 9:19 AM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I agree – but I am not quite sure why this meeting is on the calendar in the first place. Is OPP planning to brief us on their strategy for this RA? If so, it would be really important to have the folks doing the review on the call.

T.

**From:** Deener, Kathleen

**Sent:** Wednesday, November 04, 2015 9:16 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Cc:** Gentry, Nathan <[Gentry.Nathan@epa.gov](mailto:Gentry.Nathan@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks Bob. Very glad that NCEA is pulling in some very good people to look at this.

I think the idea was that after we identified the right folks to get involved, then we'd add them to the invite for Thursday's meeting. So please feel free to forward the invite to whoever you've lined up for the review. Adding Tina and Nathan in case they think otherwise. But there seems to be dozens of people on the invite already. I think we should have those doing the review on the call.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) 202.510.1490

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

**From:** Fegley, Robert

**Sent:** Wednesday, November 04, 2015 8:42 AM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Smith, Kelley <[Smith.Kelley@epa.gov](mailto:Smith.Kelley@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

## Ex. 5 - Deliberative Process

**From:** McQueen, Jacqueline

**Sent:** Wednesday, November 04, 2015 7:19 AM

**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>;

Hauchman, Fred <hauchman.fred@epa.gov>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

Just wanted you to see the quick feedback from NCEA. I think if NCEA can really commit these people (we need to discuss the workload issue), then between them and perhaps Peter Egeghy and Matt because they have the IARC background, I think we should be covered. I haven't talked to Peter or Matt but will hopefully track them down today. Tina, if you run into them at your meeting, feel free to touch base.

I will talk with Norm Birchfield this morning to get more info. on NCEA involvement, but it seems that we will need more time to conduct a thorough review. We will need to alert management and let them sort out this part. I will talk with Bob when he comes in. Fred is on travel and won't be here until Friday at the earliest.

Jackie

**From:** Cogliano, Vincent

**Sent:** Tuesday, November 03, 2015 6:28 PM

**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Olden, Kenneth <Olden.Kenneth@epa.gov>; Bussard, David <Bussard.David@epa.gov>; Gatchett, Annette <Gatchett.Annette@epa.gov>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman

**Sent:** Tuesday, November 03, 2015 1:37 PM

**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review

this. Thanks

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Crofton, Kevin[Crofton.Kevin@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 1:02:12 PM  
**Subject:** RE: Just wanted to be sure

You rock, thank you.

Tina

**From:** Crofton, Kevin  
**Sent:** Wednesday, November 04, 2015 8:02 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Just wanted to be sure

Told him to do so yesterday.

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 8:01 AM  
**To:** Crofton, Kevin <Crofton.Kevin@epa.gov>  
**Cc:** Cowden, John <Cowden.John@epa.gov>  
**Subject:** RE: Just wanted to be sure

Just please make sure he loops back to Jackie. Bob wants OSP to coordinate this well.

THANK YOU!!!!

Tina

**From:** Crofton, Kevin  
**Sent:** Wednesday, November 04, 2015 8:00 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Cc:** Cowden, John <[Cowden.John@epa.gov](mailto:Cowden.John@epa.gov)>  
**Subject:** RE: Just wanted to be sure

Yes. Talked to Matt yesterday. He is working on it. Hope to have something tomorrow.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 7:26 AM  
**To:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>  
**Cc:** Cowden, John <[Cowden.John@epa.gov](mailto:Cowden.John@epa.gov)>  
**Subject:** Just wanted to be sure

Kevin,

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Thanks,

T.

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Crofton, Kevin[Crofton.Kevin@epa.gov]  
**Cc:** Cowden, John[Cowden.John@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 1:01:03 PM  
**Subject:** RE: Just wanted to be sure

Just please make sure he loops back to Jackie. Bob wants OSP to coordinate this well.

THANK YOU!!!!

Tina

**From:** Crofton, Kevin  
**Sent:** Wednesday, November 04, 2015 8:00 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Cowden, John <Cowden.John@epa.gov>  
**Subject:** RE: Just wanted to be sure

Yes. Talked to Matt yesterday. He is working on it. Hope to have something tomorrow.

Kevin

Kevin M. Crofton, PhD

Deputy Director

National Center for Computational Toxicology

[crofton.kevin@epa.gov](mailto:crofton.kevin@epa.gov)

phone +1-919-541-2672

cell +1-919-475-0871

**From:** Bahadori, Tina  
**Sent:** Wednesday, November 04, 2015 7:26 AM  
**To:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>

**Cc:** Cowden, John <[Cowden.John@epa.gov](mailto:Cowden.John@epa.gov)>  
**Subject:** Just wanted to be sure

Kevin,

## Ex. 5 - Deliberative Process

Thanks,

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

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Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639



**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]; Fegley, Robert[Fegley.Robert@epa.gov]; Hauchman, Fred[hauchman.fred@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 12:34:38 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

## Ex. 5 - Deliberative Process

Thanks so much,

Tina

**From:** McQueen, Jacqueline  
**Sent:** Wednesday, November 04, 2015 7:19 AM  
**To:** Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Hauchman, Fred <hauchman.fred@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Morning,

Just wanted you to see the quick feedback from NCEA. I think if NCEA can really commit these people (we need to discuss the workload issue), then between them and perhaps Peter Egeghy and Matt because they have the IARC background, I think we should be covered. I haven't talked to Peter or Matt but will hopefully track them down today. Tina, if you run into them at your meeting, feel free to touch base.

I will talk with Norm Birchfield this morning to get more info. on NCEA involvement, but it seems that we will need more time to conduct a thorough review. We will need to alert management and let them sort out this part. I will talk with Bob when he comes in. Fred is on travel and won't be here until Friday at the earliest.

Jackie

**From:** Cogliano, Vincent

**Sent:** Tuesday, November 03, 2015 6:28 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>

**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you, Norm, for sending this. It's good that this is a high priority for Tom Burke.

## Ex. 5 - Deliberative Process

Vince

**From:** Birchfield, Norman  
**Sent:** Tuesday, November 03, 2015 1:37 PM  
**To:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Berner, Ted <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Hi all. We have a request from OSP to do a rapid review (done by Friday) of the OPP glyphosate herbicide risk assessment focusing on cancer. The note mentions that this is a high priority to Tom Burke. Please let me know ASAP if you have suggestions on people to review this. Thanks

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>  
**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

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U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Crofton, Kevin[crofton.kevin@epa.gov]  
**Cc:** Cowden, John[Cowden.John@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Wed 11/4/2015 12:25:58 PM  
**Subject:** Just wanted to be sure  
417300 2015-10-01\_TXR0057299.pdf  
Glyphosate Draft Final Risk assessment - 2-Nov-2015 (II).docx

Kevin,

## Ex. 5 - Deliberative Process

Thanks,

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process

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Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Fegley, Robert[Fegley.Robert@epa.gov]; McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 9:06:35 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

OK. There is a Jones meeting on glyphosate on Thursday with Burke. I don't know what it's about, but I asked Nathan to include you, Bob, on the invite. Let's see what's going on.

T.

**From:** Fegley, Robert  
**Sent:** Tuesday, November 03, 2015 4:03 PM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I think we sent something to Barb more as a formality to make sure she was aware of the request. I don't think she probably needs to be substantively involved.

## Ex. 5 - Deliberative Process

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 3:59 PM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Cc:** Fegley, Robert <Fegley.Robert@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie,

Two NHEERL names that have come up for glyphosate is Charles Wood and Danelle Lobdell...I wanted to put those on your radar. Barb Walton is also here at SETAC – I am not sure if she is looking at email, but you may need to ping her supervisor Kathryn Saterson?

T.

**From:** McQueen, Jacqueline

**Sent:** Tuesday, November 03, 2015 1:29 PM

**To:** Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Walton, Barb <[Walton.Barb@epa.gov](mailto:Walton.Barb@epa.gov)>; Martin, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>; Stroup, Gene <[Stroup.Gene@epa.gov](mailto:Stroup.Gene@epa.gov)>

**Cc:** Crofton, Kevin <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Egeghy, Peter <[Egeghy.Peter@epa.gov](mailto:Egeghy.Peter@epa.gov)>

**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

## Ex. 5 - Deliberative Process



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Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Saterson, Kathryn[Saterson.Kathryn@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 8:59:54 PM  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate  
417300 2015-10-01 TXR0057299.pdf  
Glyphosate Draft Final Risk assessment - 2-Nov-2015 (II).docx

Kathryn,

Just to keep you in the loop. I know Barb is at SETAC.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb  
<Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene  
<Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>;  
Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

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Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**Cc:** Fegley, Robert[Fegley.Robert@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 8:58:55 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Jackie,

Two NHEERL names that have come up for glyphosate is Charles Wood and Danelle Lobdell...I wanted to put those on your radar. Barb Walton is also here at SETAC – I am not sure if she is looking at email, but you may need to ping her supervisor Kathryn Saterson?

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 1:29 PM  
**To:** Birchfield, Norman <Birchfield.Norman@epa.gov>; Walton, Barb <Walton.Barb@epa.gov>; Martin, Matt <Martin.Matt@epa.gov>; Stroup, Gene <Stroup.Gene@epa.gov>  
**Cc:** Crofton, Kevin <Crofton.Kevin@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Egeghy, Peter <Egeghy.Peter@epa.gov>  
**Subject:** FW: Draft Human Health Risk Assessment for Glyphosate

Good afternoon,

# Ex. 5 - Deliberative Process

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Jackie

Jacqueline McQueen  
U.S. Environmental Protection Agency (8104R)  
Office of Research and Development  
Office of Science Policy  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460  
(202) 564-6639

**To:** Gentry, Nathan[Gentry.Nathan@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 8:42:27 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I would like to be included, if possible.

Thanks Nathan.

Tina

**From:** Gentry, Nathan  
**Sent:** Tuesday, November 03, 2015 2:01 PM  
**To:** Kavlock, Robert <Kavlock.Robert@epa.gov>; Burke, Thomas <Burke.Thomas@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Deener, Kathleen <Deener.Kathleen@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

There's a big meeting on Thursday with OCSPP and Tom. Who from ORD should be included?  
Bob, do you want to be added?

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Kavlock, Robert  
**Sent:** Tuesday, November 03, 2015 12:01 PM  
**To:** Burke, Thomas <Burke.Thomas@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Deener, Kathleen <Deener.Kathleen@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

Yep.

On Nov 3, 2015, at 5:10 PM, Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)> wrote:

Sounds good

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

On Nov 3, 2015, at 9:20 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

We are going for NCEA, NERL, NHEERL, NCCT. I think that covers it, right?  
T.

**From:** Deener, Kathleen

**Sent:** Tuesday, November 03, 2015 10:19 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Cc:** Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>; Kavlock, Robert  
<[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>

**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

Could be helpful to pull in someone from NCEA too.

Sent from my iPhone

On Nov 3, 2015, at 9:16 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

Ok, we will also ask Matt Martin from NCCT to review, since he was on the IARC glyphosate committee.

T.

**From:** Burke, Thomas  
**Sent:** Tuesday, November 03, 2015 9:56 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Cc:** Kavlock, Robert <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

This is very important. Let's make sure we get the right folks to assist. I am very interested in the cancer review and conclusions.

Tom

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

On Nov 3, 2015, at 8:26 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

Good morning/afternoon,

I am going to work with Bob/Jackie in OSP to see if we can get some ORD eyes on this, but really it might be impossible since they are asking for comments by 11/6. In any case, we may end up providing comments in parallel with the public process. Please let me know if you would like me to take different or additional steps.

Tina



**From:** Smith, Charles  
**Sent:** Tuesday, November 03, 2015 8:17 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey  
<Dawson.Jeff@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

<417300\_2015-10-01\_TXR0057299.pdf>

<Glyohosate Draft Final Risk assessment - 2-Nov-2015 (II).docx>

**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 4:41:36 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thank you for being patient with my 'style!'

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 11:39 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Yes, I did. I didn't know where you were. Thanks for talking, it was helpful.

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 11:02 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I assume you meant Eastern time, right??

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 11:01 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

ok

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:56 AM

**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Let's do 11. If you are together, then please call me on my cell

**Ex. 6 - Personal Privacy**

Tina

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:53 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Either 11 am or 2:30 works for both of us.

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:28 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael <Loughran.Michael@epa.gov>; Blair, Susanna <Blair.Susanna@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I can make time – let me know if you can find a window for both of you.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:27 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Fegley, Robert <Fegley.Robert@epa.gov>  
**Cc:** Hubal, Elaine <Hubal.Elaine@epa.gov>; Loughran, Michael

<[Loughran.Michael@epa.gov](mailto:Loughran.Michael@epa.gov)>; Blair, Susanna <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

That would be helpful. Let me see if Bob is around. If not this morning, are you available later in the day?

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:19 AM  
**To:** McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>  
**Cc:** Hubal, Elaine <[Hubal.Elaine@epa.gov](mailto:Hubal.Elaine@epa.gov)>; Loughran, Michael <[Loughran.Michael@epa.gov](mailto:Loughran.Michael@epa.gov)>; Blair, Susanna <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

If you and Bob Fegley are available for a quick call this morning, I am can give you some more Burke background.

T.

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 10:17 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>  
**Cc:** Hubal, Elaine <[Hubal.Elaine@epa.gov](mailto:Hubal.Elaine@epa.gov)>; Loughran, Michael <[Loughran.Michael@epa.gov](mailto:Loughran.Michael@epa.gov)>; Blair, Susanna <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Hi Tina

## Ex. 5 - Deliberative Process

Jackie

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 9:31 AM  
**To:** Fegley, Robert <[Fegley.Robert@epa.gov](mailto:Fegley.Robert@epa.gov)>; McQueen, Jacqueline <[McQueen.Jacqueline@epa.gov](mailto:McQueen.Jacqueline@epa.gov)>  
**Cc:** Hubal, Elaine <[Hubal.Elaine@epa.gov](mailto:Hubal.Elaine@epa.gov)>; Loughran, Michael <[Loughran.Michael@epa.gov](mailto:Loughran.Michael@epa.gov)>; Blair, Susanna <[Blair.Susanna@epa.gov](mailto:Blair.Susanna@epa.gov)>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Dear Bob and Jackie,

## Ex. 5 - Deliberative Process

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Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

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**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 4:37:23 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Thanks – they just ended up calling me on the cell and I gave them the background we heard from Dana yesterday. So, we'll see how this all unfolds.

t.

**From:** Blair, Susanna  
**Sent:** Tuesday, November 03, 2015 11:21 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

I am happy to join if you need/want me to.

Sent from my iPhone

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Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 4:02:10 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I assume you meant Eastern time, right??

**From:** McQueen, Jacqueline  
**Sent:** Tuesday, November 03, 2015 11:01 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

ok

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 10:56 AM  
**To:** McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>  
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**Ex. 6 - Personal Privacy**

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[Glyphosate Draft Final Risk assessment - 2-Nov-2015 \(II\).docx](#)

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Billy,

While I thank you/OPP for forwarding this, I can tell you the likelihood of being able to get you any comments by Friday is not very high. That being said, we will try – but I think we need to explore a better process.

Thanks,

Tina

---

**Tina Bahadori, Sc.D.**

**National Program Director, Chemical Safety for Sustainability (ORD/EPA)**

DC RRB-41282; 1200 Pennsylvania Avenue, NW, RRB:MC 8101R, Washington, DC 20460

phone: 202.564.0428; mobile: 202.680.8771; Email: [Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)

**From:** Smith, Charles  
**Sent:** Tuesday, November 03, 2015 8:17 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## **Ex. 5 - Deliberative Process**

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Tue 5/10/2016 5:41:22 PM  
**Subject:** RE: glyphosate draft response for review

I deleted it per the correspondence manual.

**From:** Housenger, Jack  
**Sent:** Tuesday, May 10, 2016 1:32 PM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>; Jones, Jim <Jones.Jim@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>  
**Cc:** Wise, Louise <Wise.Louise@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>  
**Subject:** RE: glyphosate draft response for review

## Ex. 5 - Deliberative Process

**From:** Mojica, Andrea  
**Sent:** Tuesday, May 10, 2016 1:03 PM  
**To:** Jones, Jim <Jones.Jim@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>  
**Cc:** Housenger, Jack <Housenger.Jack@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>  
**Subject:** RE: glyphosate draft response for review

Attached is an updated draft addressing Jack and Rick's comments.

**From:** Jones, Jim  
**Sent:** Tuesday, May 10, 2016 12:15 PM  
**To:** Keigwin, Richard <Keigwin.Richard@epa.gov>



**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** Re: glyphosate draft response for review

Thx Rick. Jim

Sent from my iPhone

On May 10, 2016, at 10:48 AM, Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)> wrote:

## Ex. 5 - Deliberative Process

**From:** Housenger, Jack

**Sent:** Tuesday, May 10, 2016 10:45 AM

**To:** Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>; Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>

**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** RE: glyphosate draft response for review

A few comments

**From:** Mojica, Andrea

**Sent:** Tuesday, May 10, 2016 10:32 AM

**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>

**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** glyphosate draft response for review

All,

Attached is a draft response to Chairman Lamar Smith's (Committee on Science, Space, and Technology) glyphosate inquiry. I have attached in the incoming letter to the Administrator as well. Please let me know if you have any comments by May 12<sup>th</sup>.

Thanks,

Andrea

**To:** Jones, Jim[Jones.Jim@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]  
**Cc:** Housenger, Jack[Housenger.Jack@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Perlis, Robert[Perlis.Robert@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Tue 5/10/2016 5:02:38 PM  
**Subject:** RE: glyphosate draft response for review  
[draft response to Chairman Smith\\_glyphosate\\_10 May 2016\\_OPP comments.docx](#)

Attached is an updated draft addressing Jack and Rick's comments.

**From:** Jones, Jim  
**Sent:** Tuesday, May 10, 2016 12:15 PM  
**To:** Keigwin, Richard <Keigwin.Richard@epa.gov>  
**Cc:** Housenger, Jack <Housenger.Jack@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>  
**Subject:** Re: glyphosate draft response for review

Thx Rick. Jim

Sent from my iPhone

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## Ex. 5 - Deliberative Process

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**From:** Housenger, Jack  
**Sent:** Tuesday, May 10, 2016 10:45 AM  
**To:** Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>; Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>  
**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** RE: glyphosate draft response for review

A few comments

**From:** Mojica, Andrea  
**Sent:** Tuesday, May 10, 2016 10:32 AM  
**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>  
**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** glyphosate draft response for review

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Thanks,

Andrea



**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]; Jones, Jim[Jones.Jim@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Perlis, Robert[Perlis.Robert@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]  
**Cc:** Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]  
**From:** Keigwin, Richard  
**Sent:** Tue 5/10/2016 2:48:25 PM  
**Subject:** RE: glyphosate draft response for review

# Ex. 5 - Deliberative Process

**From:** Housenger, Jack  
**Sent:** Tuesday, May 10, 2016 10:45 AM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>; Jones, Jim <Jones.Jim@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>  
**Cc:** Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>  
**Subject:** RE: glyphosate draft response for review

A few comments

**From:** Mojica, Andrea  
**Sent:** Tuesday, May 10, 2016 10:32 AM

**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>  
**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** glyphosate draft response for review

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Thanks,

Andrea

**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]  
**Cc:** Mojica, Andrea[Mojica.andrea@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]  
**From:** Jones, Jim  
**Sent:** Wed 5/4/2016 11:42:33 AM  
**Subject:** Fwd: glyphosate: POLITICO on EPA report

## Ex. 5 - Deliberative Process

Sent from my iPhone

Begin forwarded message:

**From:** Chris Portier **Ex. 6 - Personal Privacy**  
**Date:** May 4, 2016 at 7:38:18 AM EDT  
**To:** Jim Jones <Jones.jim@Epa.gov>  
**Subject:** Fwd: glyphosate: POLITICO on EPA report

Jim,  
FYI.

C.

**Subject: glyphosate: POLITICO on EPA report**

**GLYPHOSATE STORM'S A-BREWIN':** The U.S. Environmental Protection Agency has made a preliminary finding that glyphosate is unlikely to cause cancer in humans — but the agency isn't ready to go public yet. The EPA briefly posted online an October 2015 final report from its Cancer Assessment Review Committee, which concluded glyphosate is "not likely to be carcinogenic to humans." It then pulled it from its website. The committee said evidence from existing epidemiological studies and tests of lab animals doesn't meet the bar for classifying the herbicide as a carcinogen. An agency spokesperson told POLITICO the report was removed because assessment was ongoing. "Our assessment will be peer reviewed and completed by end of 2016," said the spokesperson.



— Why this matters for the EU: A political scrum over what to do about glyphosate is underway in the EU. Parliament voted to extend the chemical's authorization for seven years, the Commission is pushing for 10, but the real decision comes in a Plant, Animal, Food and Feed Committee meeting on May 18-19. Advocates for banning glyphosate altogether cite a March 2015 study by International Agency for Research on Cancer, which said it caused cancer. Glyphosate's political supporters cite a November study with the opposite conclusions. This latter group might now have another study in their arsenal — and from a reputable U.S. government agency. "In line with the 90,000 pages, and 3,300 studies already published in support of the reapproval of glyphosate, the EPA report casts yet more doubt on the conclusions of IARC," a spokesperson for the European Crop Protection Association told Morning Agri. Greenpeace EU, which opposes using glyphosate as long as there is no scientific consensus, told Morning Agri it had not yet read the study and so couldn't comment. More: <http://reut.rs/23mbxYf>.

**To:** Jones, Jim[Jones.Jim@epa.gov]  
**Cc:** Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Strauss, Linda  
**Sent:** Tue 5/3/2016 10:17:59 PM  
**Subject:** Re: press Q: Glyphosate docket CARC document

Jack, any edits? OPA press secretary continually ping me for this. Thanks so much. Linda

Sent from my iPhone

On May 3, 2016, at 5:09 PM, Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)> wrote:

Looping in Jack.

Sent from my iPhone

On May 3, 2016, at 4:52 PM, Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)> wrote:

**From:** Strauss, Linda  
**Sent:** Tuesday, May 03, 2016 4:40 PM  
**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>  
**Subject:** press Q: Glyphosate docket CARC document

## Ex. 5 - Deliberative Process

## **Ex. 5 - Deliberative Process**

25

**To:** Strauss, Linda[Strauss.Linda@epa.gov]  
**Cc:** Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 5/3/2016 9:09:12 PM  
**Subject:** Re: press Q: Glyphosate docket CARC document

Looping in Jack.

Sent from my iPhone

On May 3, 2016, at 4:52 PM, Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)> wrote:

**From:** Strauss, Linda  
**Sent:** Tuesday, May 03, 2016 4:40 PM  
**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>  
**Subject:** press Q: Glyphosate docket CARC document

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 5/3/2016 4:22:12 PM  
**Subject:** Fwd: glyphosate docket news

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Strauss, Linda" <Strauss.Linda@epa.gov>  
**Date:** May 3, 2016 at 12:19:16 PM EDT  
**To:** "Jones, Jim" <Jones.Jim@epa.gov>  
**Subject:** RE: glyphosate docket news

## Ex. 5 - Deliberative Process

**From:** Jones, Jim  
**Sent:** Tuesday, May 03, 2016 12:04 PM  
**To:** Strauss, Linda <Strauss.Linda@epa.gov>  
**Subject:** Re: glyphosate docket news

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 11:33 AM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:



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Town  
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1 2 [Next](#)

The selection and placement of stories on this page were determined automatically by a computer program.

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Keigwin, Richard  
**Sent:** Tue 5/3/2016 4:32:16 AM  
**Subject:** RE: Today

# Ex. 5 - Deliberative Process

Rick Keigwin  
Deputy Director for Programs  
Office of Pesticide Programs  
US Environmental Protection Agency

Sent from my Windows Phone

---

**From:** Housenger, Jack  
**Sent:** 5/2/2016 9:02 PM  
**To:** Keigwin, Richard  
**Subject:** Re: Today

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 2, 2016, at 8:46 PM, Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)> wrote:

# Ex. 5 - Deliberative Process

Fun day

Rick Keigwin  
Deputy Director for Programs  
Office of Pesticide Programs  
US Environmental Protection Agency

Sent from my Windows Phone

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 5/3/2016 1:19:04 AM  
**Subject:** Re: Issue

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 2, 2016, at 9:09 PM, Housenger, Jack <Housenger.Jack@epa.gov> wrote:

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 2, 2016, at 6:29 PM, Jones, Jim <Jones.Jim@epa.gov> wrote:

Administrator, On Friday, the Pesticide Program inadvertently posted on their web page the atrazine eco risk assessment and a glyphosate cancer assessment from last year. The atrazine assessment was posted prematurely as we committed to briefing USDA before releasing and that won't happen for a couple of weeks. We're trying to understand how the glyphosate assessment was even in que for posting as we decided last fall that the assessment was not consistent with the Agency's guidelines and we would convene a new group to reevaluate. The released assessment categorized glyphosate as not likely to be carcinogenic. NGOs saw it and started to post critical reactions. Monsanto saw it and put out a release saying EPA had confirmed glyphosate is not carcinogenic. We pulled down the glyphosate paper as soon as we learned about it. We're working with OPA on a statement which says we are in the middle of our cancer review and we will peer review it this fall before finalizing. The atrazine assessment will come down shortly as internal government deliberations are not complete. I think we can expect this to "vibrate" for some time.

Jim Jones

Assistant Administrator

Office of Chemical Safety and Pollution Prevention

US EPA

202 564-0342

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Keigwin, Richard  
**Sent:** Tue 5/3/2016 12:46:40 AM  
**Subject:** Today

## **Ex. 5 - Deliberative Process**

Fun day

Rick Keigwin  
Deputy Director for Programs  
Office of Pesticide Programs  
US Environmental Protection Agency

Sent from my Windows Phone

**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]  
**From:** Keigwin, Richard  
**Sent:** Mon 5/2/2016 9:50:35 PM  
**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Here's the desk statement that OPA is using to respond to press inquiries:

Preliminary glyphosate documents were inadvertently posted to the Agency's docket. These documents have now been taken down because our assessment is not final.

EPA has not completed our cancer review. We will look at the work of other governments as well as work by HHS's Agricultural Health Study as we move to make a decision on glyphosate. Our assessment will be peer reviewed and completed this fall.

**From:** Lowit, Anna  
**Sent:** Monday, May 02, 2016 5:48 PM  
**To:** Keigwin, Richard <Keigwin.Richard@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>; Housenger, Jack <Housenger.Jack@epa.gov>  
**Cc:** Smith, Charles <Smith.Charles@epa.gov>; Perron, Monique <Perron.Monique@epa.gov>  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA



w: 703-308-4135

c: 703-258-4209

**From:** Perron, Monique  
**Sent:** Monday, May 02, 2016 5:12 PM  
**To:** Smith, Charles <[Smith.Charles@epa.gov](mailto:Smith.Charles@epa.gov)>; Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>;  
Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)>; Lowit, Anna <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

**From:** Perron, Monique  
**Sent:** Monday, May 02, 2016 5:09 PM  
**To:** Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>  
**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

My notes are included below. In case I've left the office and you need to contact me, my cell number is

Ex. 6 - Personal Privacy

**From:** Han, Kaythi  
**Sent:** Monday, May 02, 2016 4:35 PM  
**To:** Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>; Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)>;  
Ingram, Earl <[Ingram.Earl@epa.gov](mailto:Ingram.Earl@epa.gov)>  
**Cc:** Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>;  
Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer  
**Importance:** High

Desk statement for your review, Neil, Khue and Earl:

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

**From:** Strauss, Linda

**Sent:** Monday, May 02, 2016 4:14 PM

**To:** Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>;  
Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>;  
Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>; Han, Kaythi <[Han.Kaythi@epa.gov](mailto:Han.Kaythi@epa.gov)>

**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

**From:** Milbourn, Cathy

**Sent:** Monday, May 02, 2016 4:12 PM

**To:** Conger, Nick <[Conger.Nick@epa.gov](mailto:Conger.Nick@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>;  
Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>

**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>

**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

# Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

[Milbourn.cathy@epa.gov](mailto:Milbourn.cathy@epa.gov)

**From:** Conger, Nick  
**Sent:** Monday, May 02, 2016 4:00 PM  
**To:** Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>  
**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>  
**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Thanks Cathy.

## Ex. 5 - Deliberative Process

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

**From:** Milbourn, Cathy  
**Sent:** Monday, May 02, 2016 3:34 PM  
**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Conger, Nick <[Conger.Nick@epa.gov](mailto:Conger.Nick@epa.gov)>; Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>  
**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>; Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>  
**Subject:** Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

# Ex. 5 - Deliberative Process

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

[http://biologicaldiversity.org/news/press\\_releases/2016/glyphosate-05-02-2016.html](http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html)



CENTER for BIOLOGICAL DIVERSITY

*Because*

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, [ndonley@biologicaldiversity.org](mailto:ndonley@biologicaldiversity.org)

**EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer**

PORTLAND, Ore.— An EPA analysis relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

“We shouldn’t gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate,” said Donley. “The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end.”

The EPA’s industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a letter to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a “registration review” of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency’s decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by glyphosate was 1993.

*The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.*

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*P.O. Box 710 • Tucson, AZ 85702-0710 • tel: (520) 623.5252 • fax: (520) 623.9797 • [www.BiologicalDiversity.org](http://www.BiologicalDiversity.org)*

---

You are subscribed to [Center-Plus@list.diversity.org](mailto:Center-Plus@list.diversity.org)

**To:** Keigwin, Richard[Keigwin.Richard@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 5/2/2016 9:48:11 PM  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Perron, Monique  
**Sent:** Monday, May 02, 2016 5:12 PM  
**To:** Smith, Charles <Smith.Charles@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

**From:** Perron, Monique  
**Sent:** Monday, May 02, 2016 5:09 PM  
**To:** Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>  
**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

My notes are included below. In case I've left the office and you need to contact me, my cell number is

**Ex. 6 - Personal Privacy**

**From:** Han, Kaythi

**Sent:** Monday, May 02, 2016 4:35 PM

**To:** Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>; Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)>; Ingram, Earl <[Ingram.Earl@epa.gov](mailto:Ingram.Earl@epa.gov)>

**Cc:** Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>

**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

**Importance:** High

Desk statement for your review, Neil, Khue and Earl:

## **Ex. 5 - Deliberative Process**

## **Ex. 6 - Personal Privacy**



# Ex. 5 - Deliberative Process

**From:** Strauss, Linda

**Sent:** Monday, May 02, 2016 4:14 PM

**To:** Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>;  
Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>;  
Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>; Han, Kaythi <[Han.Kaythi@epa.gov](mailto:Han.Kaythi@epa.gov)>

**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

**From:** Milbourn, Cathy

**Sent:** Monday, May 02, 2016 4:12 PM

**To:** Conger, Nick <[Conger.Nick@epa.gov](mailto:Conger.Nick@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>;  
Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>

**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>

**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

# Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

[Milbourn.cathy@epa.gov](mailto:Milbourn.cathy@epa.gov)

**From:** Conger, Nick

**Sent:** Monday, May 02, 2016 4:00 PM

**To:** Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>; Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>

**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>

**Subject:** RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Thanks Cathy.

Linda: Can you provide a statement on this? We also have an inquiry from The Hill:

- First off, I want to make sure I understand what exactly this is. It appears that it's an advisory opinion meant to inform EPA's regulatory actions on glyphosate, but it is not a final decision itself. Is that true?

- Second, this looks like it's dated from October. Why is it just coming out now, and only

through the rulemaking docket?

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

**From:** Milbourn, Cathy

**Sent:** Monday, May 02, 2016 3:34 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Conger, Nick <[Conger.Nick@epa.gov](mailto:Conger.Nick@epa.gov)>; Perry, Dale <[Perry.Dale@epa.gov](mailto:Perry.Dale@epa.gov)>

**Cc:** Hull, George <[Hull.George@epa.gov](mailto:Hull.George@epa.gov)>; Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>

**Subject:** Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

[http://biologicaldiversity.org/news/press\\_releases/2016/glyphosate-05-02-2016.html](http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html)



CENTER for BIOLOGICAL DIVERSITY

Because

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, [ndonley@biologicaldiversity.org](mailto:ndonley@biologicaldiversity.org)

## **EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer**

PORTLAND, Ore.— An EPA [analysis](#) relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

“We shouldn’t gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate,” said Donley. “The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end.”

The EPA’s industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a [letter](#) to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by glyphosate was 1993.

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*P.O. Box 710 . Tucson, AZ 85702-0710 tel: (520) 623.5252 fax: (520) 623.9797 www.BiologicalDiv*

\_\_\_\_\_ You are subscribed to [Center-Plus@list.diversity.org](mailto:Center-Plus@list.diversity.org)

**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]; Monell, Marty[Monell.Marty@epa.gov]  
**From:** Dinkins, Darlene  
**Sent:** Fri 4/8/2016 9:07:50 PM  
**Subject:** Sensitive and Confidential OPP Weekly Items - 4/8/16

## Sensitive and Confidential OPP Weekly Items - 4/8/16

# Ex. 5 - Deliberative Process

**Meeting with Monsanto on Glyphosate Formulations:** Members of HED and PRD attended a meeting with representatives from Monsanto to discuss EPA's recent information request for glyphosate. EPA was seeking information on the inert ingredients used in popular US and European formulations of glyphosate in the present day and also dating back to the 90s. The discussion focused on any information Monsanto may have on its formulations (e.g., toxicity data, ADME data, and pharmacokinetic data) and how data on the formulations may differ from data on the active ingredient. It was agreed that Monsanto would provide a bibliography of any such data that they have in the near future. (Charles Smith, 305-0291)

Darlene Dinkins

Office of Pesticide Programs

U.S. Environmental Protection Agency

(703) 305-5214

**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]; Monell, Marty[Monell.Marty@epa.gov]  
**Cc:** Rowland, Jess[Rowland.Jess@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Mon 2/29/2016 5:26:49 PM  
**Subject:** FW: Glyphosate Schedule

For discussion at tomorrow's general.

**From:** Smith, Charles  
**Sent:** Monday, February 29, 2016 11:22 AM  
**To:** Vogel, Dana <Vogel.Dana@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Perron, Monique <Perron.Monique@epa.gov>; Akerman, Gregory <Akerman.Gregory@epa.gov>; Dunbar, Anwar <Dunbar.Anwar@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>  
**Subject:** Glyphosate Schedule

## Ex. 5 - Deliberative Process



# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Fri 1/15/2016 7:50:32 PM  
**Subject:** Glyphosate - JJ briefing slides  
Response to JJQ.12.15.15 JR .docx  
2016 JJ Briefing 1.15.16 JR.pptx  
ORD comments 12 21 15 final.docx

Jack et al.

# Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719



**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Wed 12/23/2015 4:03:12 AM  
**Subject:** Re: Do you know

# Ex. 5 - Deliberative Process

Sent from my iPhone

> On Dec 22, 2015, at 10:13 PM, Housenger, Jack <Housenger.Jack@epa.gov> wrote:

## Ex. 5 - Deliberative Process

> Sent from my iPhone

>

>> On Dec 22, 2015, at 9:24 PM, Rowland, Jess <Rowland.Jess@epa.gov> wrote:

>>

## Ex. 5 - Deliberative Process

>>

>> Sent from my iPhone

>>

>>> On Dec 22, 2015, at 6:54 PM, Housenger, Jack <Housenger.Jack@epa.gov> wrote:

>>>

>>> What the cancer classification for glyphosate was previously?

>>>

>>> Sent from my iPhone

**To:** Jordan, William[Jordan.William@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Wed 12/9/2015 2:06:59 PM  
**Subject:** RE: Glyphosate- Response to JJ's Questions

Bill

Thank you very much for the comments.

I will revise/address your edits/suggestions

Regards

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Jordan, William  
**Sent:** Wednesday, December 09, 2015 8:57 AM  
**To:** Rowland, Jess <Rowland.Jess@epa.gov>; Housenger, Jack <Housenger.Jack@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>  
**Subject:** RE: Glyphosate- Response to JJ's Questions

Jess –

I find your latest version to be clearly and carefully presented and very persuasive. I still have a few suggested edits. See the attached file.

Thanks,

Bill

William Jordan

Deputy Director, Programs

Office of Pesticide Programs

U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

Mailing Address:

USEPA Headquarters

Clinton Building

1200 Pennsylvania Ave., NW

Mail Code (7501P)

Washington, DC 20460

Courier Address:

Potomac Yards South

2777 Crystal Drive

Room 12-235

Arlington, VA

**From:** Rowland, Jess

**Sent:** Thursday, December 03, 2015 3:01 PM

**To:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Jordan, William  
<[Jordan.William@epa.gov](mailto:Jordan.William@epa.gov)>; Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>

**Subject:** Glyphosate- Response to JJ's Questions

**Importance:** High

HI JJD

# **Ex. 5 - Deliberative Process**

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719



**To:** Rowland, Jess[Rowland.Jess@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Jordan, William  
**Sent:** Wed 12/9/2015 1:56:50 PM  
**Subject:** RE: Glyphosate- Response to JJ's Questions  
Glyphosate Response to JJ Questions JR 12 3 15 WJ.docx

Jess –

I find your latest version to be clearly and carefully presented and very persuasive. I still have a few suggested edits. See the attached file.

Thanks,

Bill

William Jordan

Deputy Director, Programs

Office of Pesticide Programs

U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

Mailing Address:

USEPA Headquarters

Clinton Building

Courier Address:

Potomac Yards South

2777 Crystal Drive

1200 Pennsylvania Ave., NW      Room 12-235  
Mail Code (7501P)      Arlington, VA  
Washington, DC 20460

**From:** Rowland, Jess  
**Sent:** Thursday, December 03, 2015 3:01 PM  
**To:** Housenger, Jack <Housenger.Jack@epa.gov>; Jordan, William  
<Jordan.William@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>  
**Subject:** Glyphosate- Response to JJ's Questions  
**Importance:** High

HI JJD

## Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Housenger, Jack[Housenger.Jack@epa.gov]; Jordan, William[Jordan.William@epa.gov];  
Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Thur 12/3/2015 8:01:20 PM  
**Subject:** Glyphosate- Response to JJ's Questions  
Glyphosate Response to JJ Questions. JR 12 3 15.docx

HI JJD

## Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Fri 10/2/2015 6:56:34 PM  
**Subject:** FW: GLyphosate

Hi Jack

## Ex. 5 - Deliberative Process

JR

Sent from my Windows Phone

---

**From:** COURT MARQUES Daniele  
**Sent:** 10/2/2015 3:32 AM  
**To:** Rowland, Jess  
**Cc:** EFSA PESTICIDES PEER REVIEW; STURMA Juergen; PRAS.secretariat  
**Subject:** RE: GLyphosate

Dear Jess,

Indeed your participation was very helpful, and we were glad to have you on board, thank you!

The report of the meeting will be published together with the EFSA conclusion (as background documents in the peer review report) that is expected to be in November.

However if you need to receive the minutes earlier, I can send them to you under embargo; kindly let me know.

Kind regards,

Danièle

Danièle Court Marques

Pesticides Unit - Toxicology

Scientific Evaluation of Regulated Products Directorate

European Food Safety Authority

Via Carlo Magno 1/A I-43126 Parma

Tel : +39 0521 036 847

Fax : +39 0521 036 0847

[Daniele.COURTMARQUES@efsa.europa.eu](mailto:Daniele.COURTMARQUES@efsa.europa.eu)

<http://www.efsa.europa.eu>

**From:** CIAULA Maria **On Behalf Of** PRAS.secretariat

**Sent:** 02 October 2015 09:05

**To:** Rowland, Jess

**Cc:** COURT MARQUES Daniele; EFSA PESTICIDES PEER REVIEW

**Subject:** RE: GLyphosate

Dear Jess,

Thank you very much for your message, I'm really happy about your feedback.

With regard to your question, I'm copying my colleague Danièle and the Peer Review scientific coordination team who will be able to answer you.

Kind regards

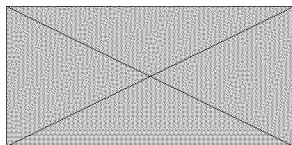
Maria

**Maria CIAULA**

Administrative assistant

PESTICIDES

REPRO Department




Via Carlo Magno 1A

43126 Parma (Italy)

Tel: +39. 0521. 036 694

[www.efsa.europa.eu](http://www.efsa.europa.eu)

[twitter.com/EFSA\\_EU](https://twitter.com/EFSA_EU) 

[youtube.com/EFSAchannel](https://youtube.com/EFSAchannel) 

**From:** Rowland, Jess [<mailto:Rowland.Jess@epa.gov>]

**Sent:** 01 October 2015 18:19

**To:** PRAS.secretariat

**Subject:** GLyphosate

Hi Maria

Thank you for the opportunity to participate in the EFSA meeting. I hope I was helpful.

That was very interesting and I learned a lot on the review and evaluation of the studies by the different countries.

What will be next step? If there is a report, can you tell me when that would be coming out?

Regards

Jess Rowland,

Deputy Director

Health Effects Division  
703-308-2719



**To:** Vogel, Dana[Vogel.Dana@epa.gov]; Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Wed 9/16/2015 2:12:12 PM  
**Subject:** Fyi

## **Ex. 5 - Deliberative Process**

Sent from my Windows Phone

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**Cc:** Mojica, Andrea[Mojica.andrea@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 9/8/2015 11:30:27 AM  
**Subject:** Re: GLY

## Ex. 5 - Deliberative Process

Sent from my iPhone

On Sep 8, 2015, at 7:25 AM, Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)> wrote:

See the note from Ivan

## Ex. 5 - Deliberative Process

**From:** Rusyn, Ivan [<mailto:IRusyn@cvm.tamu.edu>]  
**Sent:** Monday, September 07, 2015 3:58 PM  
**To:** Housenger, Jack  
**Cc:** Dix, David  
**Subject:** GLY

Dear Jack,

I hope you had a good summer and had a chance to look through the IARC monograph on glyphosate. Do let me know if there are any questions that you or your staff may have.

As you may know, there is quite a debate in Europe surrounding the BfR draft assessment report on glyphosate renewal. I was asked to appear at the hearings in Bundestag on September 28 (see attached invitation and a list of questions; I did submit answers and they will be part of the public record after the hearing) and I am trying to catch up on where the government action is on this. I recall Jim Jones saying in an interview published by Reuters that EPA will release its re-assessment in July. Please let me know if that did in fact happen, or whether you have another date.

Also, you may be interested to know that a JMPR Expert Taskforce on Diazinon, Glyphosate and Malathion ([http://www.who.int/entity/foodsafety/areas\\_work/chemical-risks/etc\\_final\\_new\\_1.pdf?ua=1](http://www.who.int/entity/foodsafety/areas_work/chemical-risks/etc_final_new_1.pdf?ua=1)) conclusions should be released very soon as the group finalized them last week.

Thank you and best regards,

Ivan

Ivan Rusyn, MD, PhD

---

Professor, Veterinary Integrative Biosciences  
Texas A&M University

4458 TAMU

College Station, TX 77843-4458

Office: (979) 458-9866; Cell: Ex. 6 - Personal Privacy

[PubMed citations](#)

[Google Scholar page](#)

<http://rusynlab.org>

<http://comptox.us>

<Prof Ivan Rusyn\_EN .pdf>

<Catalogue of Questions - Fragenkatalog Öffentliche Anhörung\_EN.pdf>

**To:** Mojica, Andrea[Mojica.andrea@epa.gov]  
**Cc:** Housenger, Jack[Housenger.Jack@epa.gov]; Jordan, William[Jordan.William@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]  
**From:** Sisco, Debby  
**Sent:** Tue 8/11/2015 12:04:13 PM  
**Subject:** RE: From Jim

o The 8/12 Atrazine drinking water meeting only has Jack, Bill, Marty, Rick and Don – who else needs to be added?

Jack would like this to be rescheduled for Aug 24 if that works for Jim. James Hetrick and Melanie Biscoe should be invited.

o The 8/24 update on WPS implementation only has Jack, Bill, Marty, Jackie and Susan Studlien – anyone else to add?

Please invite Kevin Keaney (though he is supposed to be out that day), Richard Pont, and Nancy Fitz. Susan Studlien would like to add these additional people from Region I: Hugh Martinez, Andrea Szylvian, James Chow.

## Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)  
Ethics Officer and Special Assistant to the Director  
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Mojica, Andrea  
**Sent:** Monday, August 10, 2015 11:12 AM  
**To:** Dinkins, Darlene; Sisco, Debby  
**Subject:** From Jim

A few things from Jim this morning:

## **Ex. 5 - Deliberative Process**

Thanks,

Andrea

**To:** Jones, Jim[Jones.Jim@epa.gov]  
**From:** Housenger, Jack  
**Sent:** Tue 7/21/2015 1:01:30 PM  
**Subject:** RE: Request for EPA views on proposal for WHO/Codex work on of glyphosate cancer classification issue

## Ex. 5 - Deliberative Process

**From:** Jones, Jim  
**Sent:** Tuesday, July 21, 2015 8:31 AM  
**To:** Housenger, Jack  
**Subject:** FW: Request for EPA views on proposal for WHO/Codex work on of glyphosate cancer classification issue

## Ex. 5 - Deliberative Process

**From:** Lowe, MaryFrances - FSIS [<mailto:MaryFrances.Lowe@fsis.usda.gov>]  
**Sent:** Tuesday, July 21, 2015 8:30 AM  
**To:** Jones, Jim  
**Cc:** Housenger, Jack  
**Subject:** Re: Request for EPA views on proposal for WHO/Codex work on of glyphosate cancer classification issue

Thanks for the prompt response, Jim. I am free any time after 4 today, if that would work for you all. Tomorrow before 10:30 or after 1:30 and mosr of Thursday look pretty good, too.

Mary Frances

**From:** Jones, Jim [<mailto:Jones.Jim@epa.gov>]  
**Sent:** Tuesday, July 21, 2015 07:54 AM  
**To:** Lowe, MaryFrances - FSIS  
**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>  
**Subject:** Re: Request for EPA views on proposal for WHO/Codex work on of glyphosate cancer classification issue

## Ex. 5 - Deliberative Process

Jim

Sent from my iPhone

On Jul 20, 2015, at 7:22 PM, Lowe, MaryFrances - FSIS <[MaryFrances.Lowe@fsis.usda.gov](mailto:MaryFrances.Lowe@fsis.usda.gov)> wrote:

Dear Jim and Jack,

Hope this note finds you both well and staying cool this summer.

## Ex. 5 - Deliberative Process



# Ex. 5 - Deliberative Process

Best regards,

Mary Frances

Mary Frances Lowe

U.S. Manager for Codex Alimentarius

Room 4861 USDA South Building

Tel 202 720 2057

Fax 202 720 3157

[maryfrances.lowe@fsis.usda.gov](mailto:maryfrances.lowe@fsis.usda.gov)



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**To:** Adm13McCarthy, Gina[Adm13McCarthy.Gina@epa.gov]; Jones, Jim[Jones.Jim@epa.gov]  
**Cc:** Fritz, Matthew[Fritz.Matthew@epa.gov]; Burke, Thomas[Burke.Thomas@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]  
**From:** Purchia, Liz  
**Sent:** Mon 5/2/2016 11:04:48 PM  
**Subject:** RE: Issue

## Ex. 5 - Deliberative Process

**From:** Adm13McCarthy, Gina  
**Sent:** Monday, May 02, 2016 7:00 PM  
**To:** Jones, Jim  
**Cc:** Fritz, Matthew ; Purchia, Liz ; Burke, Thomas ; Wise, Louise  
**Subject:** Re: Issue

Good grief. It would be good to figure out how this happened so you can close that loop. In the meantime, a very straightforward statement is best and out asap.

*Sent from my iPhone*

On May 2, 2016, at 6:29 PM, Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)> wrote:

Administrator, On Friday, the Pesticide Program inadvertently posted on their web page the atrazine eco risk assessment and a glyphosate cancer assessment from last year. The atrazine assessment was posted prematurely as we committed to briefing USDA before releasing and that won't happen for a couple of weeks. We're trying to understand how the glyphosate assessment was even in que for posting as we decided last fall that the assessment was not consistent with the Agency's guidelines and we would convene a new group to reevaluate. The released assessment categorized glyphosate as not likely to be carcinogenic. NGOs saw it and started to post critical reactions. Monsanto saw it and put out a release saying EPA had confirmed glyphosate is not carcinogenic. We pulled down the glyphosate paper as soon as we learned about it. We're working with OPA on a statement which says we are in the middle of our cancer review and we will peer review it this fall before finalizing. The atrazine assessment will come down shortly as internal government deliberations are not complete. I think we can expect this to "vibrate" for some time.

Jim Jones

Assistant Administrator

Office of Chemical Safety and Pollution Prevention

US EPA

202 564-0342

**To:** Strauss, Linda[Strauss.Linda@epa.gov]  
**Cc:** Jones, Jim[Jones.Jim@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]  
**From:** Housenger, Jack  
**Sent:** Tue 5/3/2016 11:55:49 PM  
**Subject:** Re: press Q: Glyphosate docket CARC document

.....  
>>>>>

Sorry. Trying to do too many things at the same time. I think this looks good. Thanks.

Sent from my iPhone

On May 3, 2016, at 6:18 PM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Jack, any edits? OPA press secretary continually ping me for this. Thanks so much.  
Linda

Sent from my iPhone

On May 3, 2016, at 5:09 PM, Jones, Jim <Jones.Jim@epa.gov> wrote:

Looping in Jack.

Sent from my iPhone

On May 3, 2016, at 4:52 PM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

**From:** Strauss, Linda  
**Sent:** Tuesday, May 03, 2016 4:40 PM  
**To:** Jones, Jim <Jones.Jim@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** press Q: Glyphosate docket CARC document

## Ex. 5 - Deliberative Process

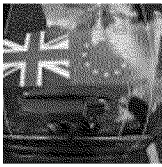
## **Ex. 5 - Deliberative Process**

**To:** Strauss, Linda[Strauss.Linda@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 5/3/2016 4:04:14 PM  
**Subject:** Re: glyphosate docket news

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 11:33 AM, Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)> wrote:



EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

CattleNetwork.com -  
13  
minutes  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
regulations.gov  
website  
that  
the

**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment  
review  
committee  
(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

**EPA**  
**Quickly**  
**Takes**  
**Study**  
**Offline**  
**Showing**  
**No**  
**Evidence**  
**Weed**  
**Killer**  
**Causes**  
**Cancer**

Daily  
Caller -  
49  
minutes  
ago

The  
CARC  
study  
ripped  
offline  
by  
**EPA**,  
however,  
rebutted



IARC's  
conclusions,  
saying  
they  
were  
based  
on  
flawed  
studies,  
some  
of  
which  
weren't  
even  
reproduced  
by  
other  
scientists.  
CARC  
ultimately  
ruled  
**glyphosate**  
is "not  
likely  
to be  
carcinogenic  
in ...

EPA  
Takes  
Down  
Report  
Saying  
Glyphosate  
Not  
Carcinogenic

KTIC -  
1 hour  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
[regulations.gov](http://regulations.gov)

website  
that  
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**EPA**  
manages,  
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**EPA's**  
cancer  
assessment  
review  
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(CARC).  
It  
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that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

**EPA's**  
**glyphosate**  
**cancer**  
**finding**  
**not**  
**ready**  
**for**  
**primetime**

Politico -  
1 hour  
ago

**EPA'S**  
**GLYPHOSATE**  
**CANCER**  
**FINDING**  
**NOT**  
**READY**  
**FOR**  
**PRIMETIME:**  
The  
**EPA**  
has  
made  
a

preliminary  
finding  
that  
**glyphosate**  
is  
unlikely  
to  
cause  
cancer  
in  
humans  
— but  
the  
agency  
isn't  
ready  
to go  
public  
yet.  
The  
**EPA**  
briefly  
posted  
to the  
regulatory  
...

Glyphosate  
'not  
likely  
to be  
carcinogenic  
to  
humans'

Farm  
Futures -  
1 hour  
ago

This  
determination  
is the  
published  
conclusion  
of  
**EPA's**  
Cancer  
Assessment  
Review  
Committee  
(CARC)  
and is  
based

on the  
overwhelming  
weight  
of  
evidence  
on  
**glyphosate.**  
EPAs  
Cancer  
Assessment  
Review  
Committee  
did not  
find a  
causal  
relationship  
...

EPA  
pulls  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

AG  
Week -  
1 hour  
ago

The 86-  
page  
report,  
seen  
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Reuters  
and  
published  
on  
Friday  
on the  
regulations.gov  
website  
that  
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**EPA**  
manages,  
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EPA's  
cancer  
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(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

EPA  
Panel  
Finds  
Glyphosate  
Not  
Likely  
to  
Cause  
Cancer

Bloomberg  
BNA -  
3  
hours  
ago

May 2  
â€”  
**Glyphosate**,  
a weed  
killer  
developed  
by  
Monsanto  
that is  
now  
the  
most  
widely  
used  
pesticide  
in the  
U.S.,  
likely

does  
not  
cause  
cancer,  
according  
to an  
Environmental  
Protection  
Agency  
review  
panel.  
The  
**EPA's**  
Cancer  
Assessment  
Review  
...

EPA  
takes  
offline  
a  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

EconomyNext -  
10  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
[regulations.gov](http://www.regulations.gov)  
website  
that  
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from  
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widely  
...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Business  
Insider -  
12  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
regulations.gov  
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EPA  
takes  
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report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

STLtoday.com -  
11  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
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on  
Friday  
on the  
regulations.gov  
website



that  
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manages,  
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cancer  
assessment  
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It  
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active  
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world's  
mostly  
widely  
...

What  
Is  
Going  
On  
With  
Glyphosate?  
EPA's  
Odd  
Handling  
of  
Controversial  
Chemical

U.S.  
Right  
to  
Know  
(press  
release)  
(blog) -  
11  
hours  
ago

On  
Friday,

April  
29, the  
**EPA**  
posted  
on its  
website  
a  
series  
of  
documents  
related  
to its  
long-  
awaited  
risk  
assessment  
for  
**glyphosate**,  
the  
active  
ingredient  
in  
Monsanto's  
Roundup  
herbicide  
and  
other  
weed-  
killing  
products  
sold  
around  
the  
world.  
The  
risk ...

**EPA**  
**takes**  
**offline**  
**report**  
**that**  
**says**  
**glyphosate**  
**not**  
**likely**  
**carcinogenic**

Town  
Hall -  
14  
hours  
ago

The 86-  
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report,  
seen  
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[regulations.gov](http://regulations.gov)  
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EconomyNext -

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**EPA**  
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**that**  
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**glyphosate**  
**not**  
**likely**  
**carcinogenic**

EconomyNext -  
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ago

The 86-  
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With  
Glyphosate?  
EPA's  
Odd

Handling  
of  
Controversial  
Chemical

Huffington  
Post -  
14  
hours  
ago

On  
Friday,  
April  
29, the  
**EPA**  
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series  
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related  
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long-  
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risk  
assessment  
for  
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ingredient  
in  
Monsanto's  
Roundup  
herbicide  
and  
other  
weed-  
killing  
products  
sold  
around  
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The  
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EPA  
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carcinogenic

Channel  
News  
Asia -  
14  
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The  
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**glyphosate**  
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Reuters  
UK -  
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WHTC -  
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CHICAGO  
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EPA  
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Reuters -  
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Reuters -  
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The 86-  
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WHBL  
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CHICAGO  
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KFGO -  
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CHICAGO  
(Reuters) -  
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KDAL -  
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CHICAGO  
(Reuters) -  
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Environmental  
Protection  
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EPA  
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offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Yahoo  
News -  
14  
hours  
ago

CHICAGO,  
May 2  
(Reuters) -  
The  
U.S.  
Environmental  
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EPA  
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glyphosate  
not  
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carcinogenic

Daily  
Mail -  
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hours  
ago

The 86-  
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[regulations.gov](https://www.regulations.gov)  
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**EPA**  
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cancer  
assessment  
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It  
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active  
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EPA  
takes  
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report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Reuters  
Africa -  
14  
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ago

CHICAGO  
May 2  
(Reuters) -  
The  
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Protection  
Agency  
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Reuters -  
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that  
**glyphosate**,  
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ingredient  
in the  
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mostly  
widely  
...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Thomson  
Reuters  
Foundation -  
14  
hours  
ago

The 86-  
page  
report,  
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Reuters  
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Friday  
on the  
[regulations.gov](https://www.regulations.gov)  
website  
that  
the  
**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment  
review

committee  
(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

Once  
Again,  
EPA  
Concludes  
That  
Glyphosate  
Does  
Not  
Cause  
Cancer

Digital  
Journal -  
18  
hours  
ago

ST.  
LOUIS--  
(Business  
Wire)--  
As part  
of its  
ongoing  
registration  
review  
of the  
herbicide  
**glyphosate**,  
the  
U.S.  
Environmental  
Protection  
Agency  
(EPA)  
has  
published  
its

official  
classification  
of  
**glyphosate**  
as "Not  
Likely  
to be  
Carcinogenic  
to  
Humans.

Once  
Again,  
EPA  
Concludes  
That  
Glyphosate  
Does  
Not  
Cause  
Cancer

Business  
Wire  
(press  
release) -  
18  
hours  
ago

ST.  
LOUIS--  
(BUSINESS  
WIRE)--  
As part  
of its  
ongoing  
registration  
review  
of the  
herbicide  
**glyphosate**,  
the  
U.S.  
Environmental  
Protection  
Agency  
(**EPA**)  
has  
published  
its  
official  
classification

of  
**glyphosate**  
as "Not  
Likely  
to be  
Carcinogenic  
to  
Humans.  
12Next

The selection and placement of stories on this page were determined automatically by a computer program.

**To:** Housenger, Jack[Housenger.Jack@epa.gov]  
**From:** Jones, Jim  
**Sent:** Tue 5/3/2016 4:22:13 PM  
**Subject:** Fwd: glyphosate docket news

.....  
>>>>>>>  
FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Strauss, Linda" <Strauss.Linda@epa.gov>  
**Date:** May 3, 2016 at 12:19:16 PM EDT  
**To:** "Jones, Jim" <Jones.Jim@epa.gov>  
**Subject:** RE: glyphosate docket news

## Ex. 5 - Deliberative Process

**From:** Jones, Jim  
**Sent:** Tuesday, May 03, 2016 12:04 PM  
**To:** Strauss, Linda <Strauss.Linda@epa.gov>  
**Subject:** Re: glyphosate docket news

## Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 11:33 AM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:



EPA  
takes  
offline  
report  
that  
says  
glyphosate

not  
likely  
carcinogenic

CattleNetwork.com -  
13  
minutes  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
regulations.gov  
website  
that  
the  
**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment  
review  
committee  
(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

EPA  
Quickly  
Takes  
Study  
Offline



Showing  
No  
Evidence  
Weed  
Killer  
Causes  
Cancer

Daily  
Caller -  
49  
minutes  
ago

The  
CARC  
study  
ripped  
offline  
by  
**EPA**,  
however,  
rebutted  
IARC's  
conclusions,  
saying  
they  
were  
based  
on  
flawed  
studies,  
some  
of  
which  
weren't  
even  
reproduced  
by  
other  
scientists.  
CARC  
ultimately  
ruled  
**glyphosate**  
is "not  
likely  
to be  
carcinogenic  
in ...

EPA  
Takes

Down  
Report  
Saying  
Glyphosate  
Not  
Carcinogenic

KTIC -  
1 hour  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
[regulations.gov](http://www.regulations.gov)  
website  
that  
the  
**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment  
review  
committee  
(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

EPA's  
glyphosate  
cancer

finding  
not  
ready  
for  
primetime

Politico -  
1 hour  
ago

**EPA'S**  
**GLYPHOSATE**  
CANCER  
FINDING  
NOT  
READY  
FOR  
PRIMETIME:

The  
**EPA**  
has  
made  
a  
preliminary  
finding  
that  
**glyphosate**  
is  
unlikely  
to  
cause  
cancer  
in  
humans  
— but  
the  
agency  
isn't  
ready  
to go  
public  
yet.  
The  
**EPA**  
briefly  
posted  
to the  
regulatory  
...

Glyphosate  
'not  
likely

to be  
carcinogenic  
to  
humans'

Farm  
Futures -  
1 hour  
ago

This  
determination  
is the  
published  
conclusion  
of  
**EPA's**  
Cancer  
Assessment  
Review  
Committee  
(CARC)  
and is  
based  
on the  
overwhelming  
weight  
of  
evidence  
on  
**glyphosate.**  
EPAs  
Cancer  
Assessment  
Review  
Committee  
did not  
find a  
causal  
relationship  
...

EPA  
pulls  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

AG  
Week -  
1 hour  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
[regulations.gov](https://www.regulations.gov)  
website  
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review  
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that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

**EPA**  
**Panel**  
**Finds**  
**Glyphosate**  
**Not**  
**Likely**  
**to**  
**Cause**  
**Cancer**

Bloomberg  
BNA -  
3  
hours  
ago

May 2  
â€”  
**Glyphosate**,  
a weed  
killer  
developed  
by  
Monsanto  
that is  
now  
the  
most  
widely  
used  
pesticide  
in the  
U.S.,  
likely  
does  
not  
cause  
cancer,  
according  
to an  
Environmental  
Protection  
Agency  
review  
panel.  
The  
**EPA's**  
Cancer  
Assessment  
Review  
...

EPA  
takes  
offline  
a  
report  
that  
says  
glyphosate  
not  
likely

## carcinogenic

EconomyNext -  
10  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
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mostly  
widely  
...

**EPA**  
**takes**  
**offline**  
**report**  
**that**  
**says**  
**glyphosate**

not  
likely  
carcinogenic

Business  
Insider -  
12  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
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...

EPA  
takes  
offline  
report



that  
says  
glyphosate  
not  
likely  
carcinogenic

STLtoday.com -  
11  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
regulations.gov  
website  
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cancer  
assessment  
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It  
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world's  
mostly  
widely  
...

What  
Is

Going  
On  
With  
Glyphosate?  
EPA's  
Odd  
Handling  
of  
Controversial  
Chemical

U.S.  
Right  
to  
Know  
(press  
release)  
(blog) -  
11  
hours  
ago

On  
Friday,  
April  
29, the  
**EPA**  
posted  
on its  
website  
a  
series  
of  
documents  
related  
to its  
long-  
awaited  
risk  
assessment  
for  
**glyphosate**,  
the  
active  
ingredient  
in  
Monsanto's  
Roundup  
herbicide  
and  
other  
weed-  
killing

products  
sold  
around  
the  
world.  
The  
risk ...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Town  
Hall -  
14  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the  
[regulations.gov](https://www.regulations.gov)  
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assessment  
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widely  
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that  
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carcinogenic

EconomyNext -  
14  
hours  
ago

The 86-  
page  
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manages,  
was  
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the  
**EPA's**  
cancer  
assessment  
review  
committee

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It  
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the  
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ingredient  
in the  
world's  
mostly  
widely  
...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

EconomyNext -  
14  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
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Friday  
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[regulations.gov](http://regulations.gov)  
website  
that  
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**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment

review  
committee  
(CARC).  
It  
found  
that  
**glyphosate**,  
the  
active  
ingredient  
in the  
world's  
mostly  
widely  
...

What  
Is  
Going  
On  
With  
Glyphosate?  
EPA's  
Odd  
Handling  
of  
Controversial  
Chemical

Huffington  
Post -  
14  
hours  
ago

On  
Friday,  
April  
29, the  
**EPA**  
posted  
on its  
website  
a  
series  
of  
documents  
related  
to its  
long-  
awaited  
risk

assessment  
for  
**glyphosate**,  
the  
active  
ingredient  
in  
Monsanto's  
Roundup  
herbicide  
and  
other  
weed-  
killing  
products  
sold  
around  
the  
world.  
The  
risk ...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Channel  
News  
Asia -  
14  
hours  
ago

The  
U.S.  
Environmental  
Protection  
Agency  
on  
Monday  
pulled  
a  
report  
offline  
that  
concluded

**glyphosate**  
is not  
likely  
to be  
carcinogenic  
to  
humans,  
saying  
the  
document  
was  
inadvertently  
published  
and  
the  
agency  
had  
not  
finished  
its  
review  
of the  
chemical,  
...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Reuters  
UK -  
14  
hours  
ago

The 86-  
page  
report,  
seen  
by  
Reuters  
and  
published  
on  
Friday  
on the



[regulations.gov](https://www.epa.gov/regulations-gov)  
website  
that  
the  
**EPA**  
manages,  
was  
from  
the  
**EPA's**  
cancer  
assessment  
review  
committee  
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It  
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in the  
world's  
mostly  
widely  
...

**EPA**  
**takes**  
**offline**  
**report**  
**that**  
**says**  
**glyphosate**  
**not**  
**likely**  
**carcinogenic**

WHTC -  
14  
hours  
ago

CHICAGO  
(Reuters) -  
The  
U.S.  
Environmental  
Protection  
Agency  
on  
Monday

pulled  
a  
report  
offline  
that  
concluded  
**glyphosate**  
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carcinogenic  
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EPA  
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Reuters -  
14  
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ago

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**EPA**  
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**glyphosate**  
**not**  
**likely**  
**carcinogenic**

Reuters -  
14  
hours  
ago

The 86-  
page  
report,  
seen  
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on  
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**offline**  
**report**  
**that**  
**says**  
**glyphosate**  
**not**  
**likely**  
**carcinogenic**

WHBL  
Sheboygan -  
14  
hours  
ago

CHICAGO  
(Reuters) -  
The  
U.S.  
Environmental

Protection  
Agency  
on  
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**glyphosate**  
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carcinogenic  
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EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

KFGO -  
14  
hours  
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CHICAGO  
(Reuters) -  
The  
U.S.  
Environmental  
Protection

Agency  
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**glyphosate**  
is not  
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document  
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EPA  
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that  
says  
glyphosate  
not  
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carcinogenic

KDAL -  
14  
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ago

CHICAGO  
(Reuters) -  
The  
U.S.  
Environmental  
Protection  
Agency

on  
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offline  
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**glyphosate**  
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had  
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finished  
its ...

EPA  
takes  
offline  
report  
that  
says  
glyphosate  
not  
likely  
carcinogenic

Yahoo  
News -  
14  
hours  
ago

CHICAGO,  
May 2  
(Reuters) -  
The  
U.S.  
Environmental  
Protection

Agency  
on  
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report  
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concluded  
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to  
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EPA  
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offline  
report  
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glyphosate  
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Daily  
Mail -  
14  
hours  
ago

The 86-  
page  
report,  
seen  
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Reuters



and  
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on  
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on the  
[regulations.gov](https://www.regulations.gov)  
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**glyphosate**  
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**likely**  
**carcinogenic**

Reuters  
Africa -  
14  
hours  
ago

CHICAGO  
May 2  
(Reuters) -

The  
U.S.  
Environmental  
Protection  
Agency  
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14  
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page  
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**carcinogenic**

Thomson  
Reuters  
Foundation -  
14  
hours  
ago

The 86-  
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Reuters  
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Digital  
Journal -

18  
hours  
ago

ST.  
LOUIS--  
(Business  
Wire)--  
As part  
of its  
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herbicide  
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Protection  
Agency  
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published  
its  
official  
classification  
of  
**glyphosate**  
as "Not  
Likely  
to be  
Carcinogenic  
to  
Humans.

Once  
Again,  
EPA  
Concludes  
That  
Glyphosate  
Does  
Not  
Cause  
Cancer

Business  
Wire  
(press  
release) -  
18  
hours

ago

ST.  
LOUIS--  
(BUSINESS  
WIRE)--  
As part  
of its  
ongoing  
registration  
review  
of the  
herbicide  
**glyphosate**,  
the  
U.S.  
Environmental  
Protection  
Agency  
(**EPA**)  
has  
published  
its  
official  
classification  
of  
**glyphosate**  
as "Not  
Likely  
to be  
Carcinogenic  
to  
Humans."  
[12Next](#)

The selection and placement of stories on this page were determined automatically by a computer program.

**To:** Carleton, Ron[Carleton.Ron@epa.gov]  
**From:** Jones, Jim  
**Sent:** Wed 3/18/2015 3:47:03 PM  
**Subject:** RE: Time to talk

I just heard yesterday. **Ex. 5 - Deliberative Process** Jim

-----Original Message-----

From: Carleton, Ron  
Sent: Wednesday, March 18, 2015 9:56 AM  
To: Jones, Jim  
Subject: FW: Time to talk

Jim, FYI below. I'm sure you're aware of it, but wanted to pass it on.

Ron

-----Original Message-----

From: DYKES, MICHAEL D [AG/1920] [mailto:michael.d.dykes@monsanto.com]  
Sent: Monday, March 16, 2015 7:19 PM  
To: Carleton, Ron  
Subject: RE: Time to talk

Ron

Thank you for taking my call this morning. The group I mentioned to you this morning was WHO-International Agency for Research on Cancer. They recently reviewed glyphosate and some other chemical pesticides which will be publicly released following an embargo. I wanted to alert you to this in case you received questions on this. I have also attached two US EPA documents regarding EPA's conclusion that glyphosate does not pose a cancer risk to humans.

2009 EPA Glyphosate Reg Review

Carcinogenicity was not identified as a concern in the work plan  
[http://www.epa.gov/oppsrrd1/registration\\_review/glyphosate/](http://www.epa.gov/oppsrrd1/registration_review/glyphosate/)

2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013) Final Rule new tolerances in or on multiple commodities: "EPA has concluded that glyphosate does not pose a cancer risk to humans." <http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

Please let me know if you have additional questions on this issue.

Thank you  
Michael

-----Original Message-----

From: Carleton, Ron [mailto:Carleton.Ron@epa.gov]  
Sent: Monday, March 16, 2015 9:07 AM  
To: DYKES, MICHAEL D [AG/1920]  
Subject: Re: Time to talk

Any chance you could call at 9:45 your time?

Ron Carleton

Counselor to the Administrator for Agricultural Policy

Sent from my iPhone

> On Mar 15, 2015, at 5:20 PM, DYKES, MICHAEL D [AG/1920] <michael.d.dykes@monsanto.com> wrote:

>

> Thank you Ron. I will give you a call tomorrow

>

> Michael

>

> Sent from my iPhone

>

>> On Mar 15, 2015, at 5:42 PM, Carleton, Ron <Carleton.Ron@epa.gov> wrote:

>>

>> Michael, you can call me at 10 your time. I'm in Wichita but can chat.

Ex. 6 - Personal Privacy

>>

>> Ron Carleton

>> Counselor to the Administrator for Agricultural Policy

>>

>> Sent from my iPhone

>>

>>> On Mar 15, 2015, at 10:55 AM, DYKES, MICHAEL D [AG/1920] <michael.d.dykes@monsanto.com> wrote:

>>>

>>> Ron

>>> I want to thank you for the time you guy our 6 farmer guests in DC

>>> last week. The farm community has a lot of interest in the

>>> environmental policies that have the potential to impact their

>>> farming operations. They appreciated the discussion with you

>>>

>>>

>>> There is another matter that I would like to talk with you about. Would you be available for a brief conversation on Monday. I can call you if there is a time that is most convenient for you. Just let me know.

>>>

>>> Thank you

>>> Michael Dykes

>>>

>>> Sent from my iPhone

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>>> (EAR) and sanctions regulations issued by the U.S. Department of Treasury, Office of Foreign Asset



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> Monsanto, along with its subsidiaries, accepts no liability for any  
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This e-mail message may contain privileged and/or confidential information, and is intended to be received only by persons entitled to receive such information. If you have received this e-mail in error, please notify the sender immediately. Please delete it and all attachments from any servers, hard drives or any other media. Other use of this e-mail by you is strictly prohibited.

All e-mails and attachments sent and received are subject to monitoring, reading and archival by Monsanto, including its subsidiaries. The recipient of this e-mail is solely responsible for checking for the presence of "Viruses" or other "Malware".

Monsanto, along with its subsidiaries, accepts no liability for any damage caused by any such code transmitted by or accompanying this e-mail or any attachment.

The information contained in this email may be subject to the export control laws and regulations of the United States, potentially including but not limited to the Export Administration Regulations (EAR) and sanctions regulations issued by the U.S. Department of Treasury, Office of Foreign Asset Controls (OFAC). As a recipient of this information you are obligated to comply with all applicable U.S. export laws and regulations.

**To:** Gentry, Nathan[Gentry.Nathan@epa.gov]  
**Cc:** Kavlock, Robert[Kavlock.Robert@epa.gov]  
**From:** Bahadori, Tina  
**Sent:** Tue 11/3/2015 9:01:38 PM  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Ok, thanks. Then the Charles and Danelle must have been involved with OPP on the RA. I will let OSP know. I think given the range of people attending from OCSPP, having Fegley there would be good too.

T.

**From:** Gentry, Nathan  
**Sent:** Tuesday, November 03, 2015 4:00 PM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Kavlock, Robert <Kavlock.Robert@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

I haven't forwarded the invite to anyone besides you and Bob, and I don't believe we ever gave OCSPP a list of names (that's why I asked). I can forward to whoever you'd like.

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Bahadori, Tina  
**Sent:** Tuesday, November 03, 2015 3:57 PM  
**To:** Gentry, Nathan <Gentry.Nathan@epa.gov>  
**Cc:** Kavlock, Robert <Kavlock.Robert@epa.gov>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

Nathan,

I noticed several NHEERL names on the invite – Charles Wood and Danelle Lobdell. Were they on the original OCSPP invite? If they were, I want to direct OSP to them for this additional peer review. If Bob agrees, Bob Fegley should be included in the invite too.

Tina

**From:** Gentry, Nathan  
**Sent:** Tuesday, November 03, 2015 2:01 PM  
**To:** Kavlock, Robert <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>  
**Cc:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>  
**Subject:** RE: Draft Human Health Risk Assessment for Glyphosate

There's a big meeting on Thursday with OCSPP and Tom. Who from ORD should be included? Bob, do you want to be added?

Nathan Gentry

Scheduler for Tom Burke, Lek Kadeli and Bob Kavlock

EPA Office of Research and Development

Phone: 202-564-9084

Fax: 202-565-2430

**From:** Kavlock, Robert  
**Sent:** Tuesday, November 03, 2015 12:01 PM  
**To:** Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>  
**Cc:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

Yep.

On Nov 3, 2015, at 5:10 PM, Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)> wrote:

Sounds good

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

On Nov 3, 2015, at 9:20 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

We are going for NCEA, NERL, NHEERL, NCCT. I think that covers it, right?  
T.

**From:** Deener, Kathleen

**Sent:** Tuesday, November 03, 2015 10:19 AM

**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Cc:** Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>; Kavlock, Robert  
<[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>

**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

Could be helpful to pull in someone from NCEA too.

Sent from my iPhone

On Nov 3, 2015, at 9:16 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

Ok, we will also ask Matt Martin from NCCT to review, since he was on the IARC glyphosate committee.

T.

**From:** Burke, Thomas  
**Sent:** Tuesday, November 03, 2015 9:56 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Cc:** Kavlock, Robert <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>  
**Subject:** Re: Draft Human Health Risk Assessment for Glyphosate

This is very important. Let's make sure we get the right folks to assist. I am very interested in the cancer review and conclusions.

Tom

Thomas A. Burke, PhD, MPH

Deputy Assistant Administrator

EPA Science Advisor

Office of Research and Development

202-564-6620

[burke.thomas@epa.gov](mailto:burke.thomas@epa.gov)

On Nov 3, 2015, at 8:26 AM, Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)> wrote:

Good morning/afternoon,

## **Ex. 5 - Deliberative Process**

Tina

**From:** Smith, Charles  
**Sent:** Tuesday, November 03, 2015 8:17 AM  
**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>  
**Cc:** Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>; Rowland, Jess <Rowland.Jess@epa.gov>  
**Subject:** Draft Human Health Risk Assessment for Glyphosate

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

## Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

<417300\_2015-10-01\_TXR0057299.pdf>

<Glyohosate Draft Final Risk assessment - 2-Nov-2015 (II).docx>

**To:** Keigwin, Richard[Keigwin.Richard@epa.gov]  
**Cc:** Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]  
**From:** Sisco, Debby  
**Sent:** Mon 5/2/2016 7:40:56 PM  
**Subject:** Fwd: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Sent from my iPhone

Begin forwarded message:

**From:** "Milbourn, Cathy" <Milbourn.Cathy@epa.gov>  
**Date:** May 2, 2016 at 3:38:39 PM EDT  
**To:** "Strauss, Linda" <Strauss.Linda@epa.gov>, "Sisco, Debby" <Sisco.Debby@epa.gov>, "Overstreet, Anne" <overstreet.anne@epa.gov>, "Han, Kaythi" <Han.Kaythi@epa.gov>, "Dinkins, Darlene" <Dinkins.Darlene@epa.gov>  
**Cc:** "Milbourn, Cathy" <Milbourn.Cathy@epa.gov>  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

**From:** Milbourn, Cathy  
**Sent:** Monday, May 02, 2016 3:34 PM  
**To:** Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>  
**Cc:** Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>  
**Subject:** Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process



Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

[http://biologicaldiversity.org/news/press\\_releases/2016/glyphosate-05-02-2016.html](http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html)



CENTER for BIOLOGICAL DIVERSITY

Beau

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, [ndonley@biologicaldiversity.org](mailto:ndonley@biologicaldiversity.org)

## **EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer**

PORTLAND, Ore.— An EPA [analysis](#) relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into

account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

"We shouldn't gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate," said Donley. "The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end."

The EPA's industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a [letter](#) to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by [glyphosate](#) was 1993.

*The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.*

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P.O. Box 710 • Tucson, AZ 85702-0710 • tel: (520) 623.5252 • fax: (520) 623.9797 • [www.BiologicalDiversity.org](http://www.BiologicalDiversity.org)

---

You are subscribed to [Center-Plus@list.diversity.org](mailto:Center-Plus@list.diversity.org)

**To:** Keigwin, Richard[Keigwin.Richard@epa.gov]  
**Cc:** Keltz, Colleen[Keltz.Colleen@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]  
**From:** Sisco, Debby  
**Sent:** Mon 5/2/2016 7:04:36 PM  
**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)  
Ethics Officer and Special Assistant to the Director  
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Han, Kaythi  
**Sent:** Monday, May 02, 2016 2:53 PM  
**To:** Sisco, Debby <Sisco.Debby@epa.gov>  
**Cc:** Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>  
**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

**From:** Sisco, Debby  
**Sent:** Monday, May 02, 2016 2:40 PM  
**To:** Han, Kaythi <[Han.Kaythi@epa.gov](mailto:Han.Kaythi@epa.gov)>  
**Cc:** Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>  
**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)  
Ethics Officer and Special Assistant to the Director  
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Han, Kaythi  
**Sent:** Monday, May 02, 2016 2:22 PM  
**To:** Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>  
**Cc:** Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>; Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>  
**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

**From:** Milbourn, Cathy

**Sent:** Monday, May 02, 2016 2:13 PM

**To:** Han, Kaythi <[Han.Kaythi@epa.gov](mailto:Han.Kaythi@epa.gov)>

**Cc:** Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>; Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>; Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>

**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

[Milbourn.cathy@epa.gov](mailto:Milbourn.cathy@epa.gov)

**From:** Han, Kaythi

**Sent:** Monday, May 02, 2016 1:39 PM

**To:** Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>

**Cc:** Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>; Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>

**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:  
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

**From:** Strauss, Linda  
**Sent:** Monday, May 02, 2016 1:33 PM  
**To:** Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>; Keltz, Colleen <[Keltz.Colleen@epa.gov](mailto:Keltz.Colleen@epa.gov)>; Han, Kaythi <[Han.Kaythi@epa.gov](mailto:Han.Kaythi@epa.gov)>  
**Subject:** RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

**From:** Milbourn, Cathy  
**Sent:** Monday, May 02, 2016 1:28 PM  
**To:** Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>  
**Cc:** Milbourn, Cathy <[Milbourn.Cathy@epa.gov](mailto:Milbourn.Cathy@epa.gov)>  
**Subject:** FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

## Ex. 5 - Deliberative Process

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca



**To:** Liccione, John[Liccione.John@epa.gov]  
**From:** Liccione, John  
**Sent:** Tue 9/22/2015 11:23:10 AM  
**Subject:** FW: Glyphosate- Classification Narrative

**From:** Rowland, Jess  
**Sent:** Monday, September 21, 2015 12:24 PM  
**To:** OPP HED CARC; Lobdell, Danelle  
**Subject:** Glyphosate- Classification Narrative  
**Importance:** High

Hello CARCeers

## Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

**To:** Lobdell, Danelle[Lobdell.Danelle@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Tue 11/3/2015 4:40:51 PM  
**Subject:** RE: slides

Danelle

# Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Lobdell, Danelle  
**Sent:** Tuesday, November 03, 2015 11:13 AM  
**To:** Rowland, Jess <Rowland.Jess@epa.gov>  
**Subject:** RE: slides

Hi Jess,

# Ex. 5 - Deliberative Process

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

USEPA

MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess

**Sent:** Tuesday, November 03, 2015 9:32 AM

**To:** Lobdell, Danelle <[Lobdell.Danelle@epa.gov](mailto:Lobdell.Danelle@epa.gov)>

**Subject:** slides

**Importance:** High

Hi

Pl. feel free to make changes

## **Ex. 5 - Deliberative Process**

thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Lobdell, Danelle[Lobdell.Danelle@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Fri 9/4/2015 2:06:31 AM  
**Subject:** GLyphosate DRAFT  
Glyphosate DRAFT 9.3.15 JR.docx

Hi Danelle

Finally, here is the draft.

# Ex. 5 - Deliberative Process

We can discuss this on Tuesday

Regards,

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Wade, Tim[Wade.Tim@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Wed 11/4/2015 2:39:40 PM  
**Subject:** RE: Heads up with my consulting with OCSPP

Jess Rowland from OCSPP

**From:** Wade, Tim  
**Sent:** Wednesday, November 04, 2015 9:29 AM  
**To:** Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>  
**Subject:** RE: Heads up with my consulting with OCSPP

Thanks Danelle- who is leading the briefing?

**From:** Lobdell, Danelle  
**Sent:** Wednesday, November 04, 2015 8:55 AM  
**To:** Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>  
**Subject:** Heads up with my consulting with OCSPP

Tomorrow at 3 PM I will be on a briefing with OCSPP for Tom Burke about the cancer assessment for glyphosate. I reviewed the epi literature and the epi assessment by IARC for the CARC (OCSPP's cancer assessment group). Last week I was on a briefing with the CARC for Jim Jones the AA for OCSPP.

## Ex. 5 - Deliberative Process

Danelle

Danelle T. Lobdell, Ph.D., M.S.



Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

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Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Tue 11/3/2015 4:13:10 PM  
**Subject:** RE: slides  
[Burke Brief Glyphosate JR 11 03 15 DTL.pptx](#)  
[Glyphosate CARC FINAL 9.27.15 JR DTL.docx](#)

Hi Jess,

# Ex. 5 - Deliberative Process

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

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**Package Delivery:**

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Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess

**Sent:** Tuesday, November 03, 2015 9:32 AM  
**To:** Lobdell, Danelle <Lobdell.Danelle@epa.gov>  
**Subject:** slides  
**Importance:** High

Hi

Pl. feel free to make changes

## **Ex. 5 - Deliberative Process**

thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Mon 9/21/2015 4:26:31 PM  
**Subject:** RE: Glyphosate- Classification Narrative

Hi Jess,

I did misspell.... Should be missingness.

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

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MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess  
**Sent:** Monday, September 21, 2015 12:24 PM  
**To:** OPP HED CARC; Lobdell, Danelle  
**Subject:** Glyphosate- Classification Narrative  
**Importance:** High

Hello CARCeers

# **Ex. 5 - Deliberative Process**

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Mon 9/21/2015 2:40:54 PM  
**Subject:** RE: One more nag..  
Glyphosate CARC DRAFT 9 9 15 JR DTLtracked changes.docx  
Conclusions epi literature CARC.docx

Hi Jess,

## Ex. 5 - Deliberative Process

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

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Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess

**Sent:** Saturday, September 19, 2015 9:18 AM

**To:** Lobdell, Danelle

**Subject:** RE: One more nag..

Hi Danelle

Thanks, I sent u an invite.

## Ex. 5 - Deliberative Process

Can u kindly review and send your comments and can u do that by end of the week.

Thanks a million for all your help

Regards

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Lobdell, Danelle  
**Sent:** Friday, September 18, 2015 9:38 AM  
**To:** Rowland, Jess  
**Subject:** Re: One more nag..

Hi Jess,



I am out of the office today. I will send to you first thing Monday AM. Can you send me an invite for Monday morning to send to you? That way when I get in Monday morning it will pop up the moment I log into email.

Sent from my iPhone

On Sep 18, 2015, at 7:41 AM, Rowland, Jess <[Rowland.Jess@epa.gov](mailto:Rowland.Jess@epa.gov)> wrote:

Hi Danelle

Hope u had an easy trip back.

## Ex. 5 - Deliberative Process

Management wants this report out on Monday since we are all going to be teleworking next week Tue-Thursday due to the Papal visit

Sorry to trouble you

Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Tue 9/8/2015 9:43:10 PM  
**Subject:** RE: Glyphosate DRAFT  
Glyphosate DRAFT 9 3 15 JR DTL.docx

Hi Jess,

Here are my edits to the epi section of the write-up.

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

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Research Triangle Park, NC 27711

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Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess  
**Sent:** Thursday, September 03, 2015 10:07 PM  
**To:** Lobdell, Danelle  
**Subject:** GLyphosate DRAFT

**Importance:** High

Hi Danelle

Finally, here is the draft.

## **Ex. 5 - Deliberative Process**

We can discuss this on Tuesday

Regards,

JR

Jess Rowland,

Deputy Director  
Health Effects Division

703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Thur 8/20/2015 8:38:11 PM  
**Subject:** RE: Glyphosate CARC document  
GLYPHOSATE Summ Table Epi Cancer Studies.xlsx  
Cancer Epidemiology Summary8 20 2015.docx

Hi Jess,

# Ex. 5 - Deliberative Process

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

USEPA

MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

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Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess  
**Sent:** Thursday, August 20, 2015 9:53 AM  
**To:** Lobdell, Danelle  
**Subject:** RE: Glyphosate CARC document

I will call you

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Lobdell, Danelle  
**Sent:** Thursday, August 20, 2015 9:52 AM  
**To:** Rowland, Jess  
**Subject:** RE: Glyphosate CARC document

Hi Jess,

Yes, 10:30 works for me. Do you want to call me or should I call you?

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

USEPA

MD 58A

Research Triangle Park, NC 27711

**Package Delivery:**

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess

**Sent:** Thursday, August 20, 2015 9:42 AM

**To:** Lobdell, Danelle

**Subject:** Glyphosate CARC document

**Importance:** High

Hi Danelle

Here is the outline for the Epi section of the CARC document.

I have put in some text to lead into your assessment.

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**



# **Ex. 5 - Deliberative Process**

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Lobdell, Danelle  
**Sent:** Thur 8/20/2015 2:59:56 PM  
**Subject:** RE: Glyphosate CARC document  
GLYPHOSATE Summ Table 52.xlsx  
Glyphosate TierII 2 5 14 (Autosaved).docx

## Ex. 5 - Deliberative Process

Danelle

**Danelle T. Lobdell, Ph.D., M.S.**

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

**Mail:**

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Research Triangle Park, NC 27711

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104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434    Fax: 919-966-7584

**From:** Rowland, Jess  
**Sent:** Thursday, August 20, 2015 9:42 AM  
**To:** Lobdell, Danelle  
**Subject:** Glyphosate CARC document  
**Importance:** High

Hi Danelle

Here is the outline for the Epi section of the CARC document.

I have put in some text to lead into your assessment.

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

## **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

JR

Jess Rowland,

Deputy Director

Health Effects Division  
703-308-2719

**To:** OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov];  
Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Tue 4/5/2016 7:58:25 PM  
**Subject:** Confidential-HED nominations for non-opp awards

Here's what I have...

Let me know if I missed anyone.

Thanks,

Dv

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Director, Health Effects Division

Office of Pesticide Programs

USEPA

703-305-0874

**To:** Lowit, Anna[Lowit.Anna@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Mon 12/7/2015 3:10:51 PM  
**Subject:** FW: Glyphosate- Response to JJ's Questions  
Glyphosate Response to JJ Questions. JR 12 3 15.docx

Could you let me know what you think of this? Call or stop by to discuss (keep it on the down low:☺)

**From:** Rowland, Jess  
**Sent:** Thursday, December 03, 2015 3:01 PM  
**To:** Housenger, Jack <Housenger.Jack@epa.gov>; Jordan, William <Jordan.William@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>  
**Subject:** Glyphosate- Response to JJ's Questions  
**Importance:** High

HI JJD

Here is the revised version incorporating/addressing Bill's comments/ recommendations.

## Ex. 5 - Deliberative Process

The sections in this document that are in *italics* are the quotes from the Cancer Guidelines.

As per your request, I have provided **CARC's rationale for each criterion** for the various "classification" options.

Thanks



JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Wed 5/20/2015 4:37:40 PM  
**Subject:** RE: update

David,

Did you talk to Khin? I mentioned about Beth to Christina and she was fine with it.

Dv

**From:** Lowit, Anna  
**Sent:** Wednesday, May 20, 2015 12:02 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Ok. So, who is going to cover for epi when she is gone? Can I invite whoever it is to the meeting tomorrow?

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 5:47 PM  
**To:** Lowit, Anna; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Ok. I will let Carol know the tentative plans.

David.

**From:** Lowit, Anna  
**Sent:** Tuesday, May 19, 2015 5:40 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Looks like I did hear from her late this afternoon. We will have it Thursday.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Tuesday, May 19, 2015 10:11 AM  
**To:** Miller, David  
**Subject:** RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 5:23 PM  
To: Miller, David  
Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/19/2015 9:47:32 PM  
**Subject:** RE: update

Ok. I will let Carol know the tentative plans.

David.

**From:** Lowit, Anna  
**Sent:** Tuesday, May 19, 2015 5:40 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Looks like I did hear from her late this afternoon. We will have it Thursday.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
To: Miller, David  
Subject: RE: update

Hi

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I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

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## Ex. 5 - Deliberative Process

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David.

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I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/19/2015 9:46:36 PM  
**Subject:** RE: update

Ok. You mean Carol C. did not respond to you with the "this Thursday instead of Thursday next week" meeting request?

And that Danelle, Ginger, Carol and you are the (only) principals involved?

If so, I will indicated to Carol C. that if she is willing to change the meeting from Thursday next week to Thursday this week, we can probably make this happen. Jess said he was basically ok with glyphosate and would speak to Carol C. tomorrow about a few questions he had for Carol to clear up.

Thanks ! This would also work well if Carol was to come in as per her stated preference (below) for taking vacation days during the end --rather than the beginning-- of her last week.

David

**From:** Lowit, Anna  
**Sent:** Tuesday, May 19, 2015 5:40 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

I sent a request to move it but she didn't respond. Danelle and Ginger can move it.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update



FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
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Subject: RE: update

Hi

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I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
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Subject: FW: update

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To: Miller, David

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I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Tue 5/19/2015 8:59:04 PM  
**Subject:** RE: update

David  
I am ok with glyphosate. I need some clarification and meet with her tomorrow  
JR

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

# Ex. 5 - Deliberative Process

David.

-----Original Message-----

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## Ex. 5 - Deliberative Process

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-----Original Message-----

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Subject: update

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I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/19/2015 7:38:26 PM  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
To: Miller, David  
Subject: RE: update

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Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off , but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 2:17:11 PM  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

David.

**From:** Lowit, Anna  
**Sent:** Monday, May 18, 2015 10:09 AM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/18/2015 7:05 AM  
**To:** Lowit, Anna; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

Anna,

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

David.

**From:** Lowit, Anna  
**Sent:** Sunday, May 17, 2015 11:06 PM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Anna

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/17/2015 8:03 PM  
**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

Ok. So I am hearing holiday on Monday (Memorial Day), annual leave on Tuesday and Wednesday; then here on Thursday for finishing touches, and then Friday for signing out/across the River.

Others? It seems to me that this is a reasonable compromise, but will require that we have everything we need from her by Thursday/Friday of this week, so it can be reviewed here by us Tuesday/Wednesday of next week.



Other thoughts?

David.

**From:** Rowland, Jess  
**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many "hanging chads"

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

I have my final offer letter and a start date at FDA 5/31.

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Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

## **Ex. 5 - Deliberative Process**

## Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

I had gone around to the BC’s last week to see if there was anything outstanding that you needed. I didn’t hear much – if you have thought of things since, please add them.

David.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

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## **Ex. 5 - Deliberative Process**

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Tx.

David.

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David J. Miller   CAPT | USPHS

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703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]  
**From:** Mendez, Elizabeth  
**Sent:** Mon 5/18/2015 11:35:24 AM  
**Subject:** Re: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

---

**From:** Miller, David  
**Sent:** Monday, May 18, 2015 7:12 AM  
**To:** Mendez, Elizabeth; Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

**From:** Mendez, Elizabeth  
**Sent:** Monday, May 18, 2015 7:05 AM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey  
**Subject:** Re: epi - outstanding issues /next steps

David,

## Ex. 5 - Deliberative Process

Liz

---

**From:** Miller, David

**Sent:** Sunday, May 17, 2015 8:03 PM

**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth

**Subject:** RE: epi - outstanding issues /next steps

Ok. So I am hearing holiday on Monday (Memorial Day), annual leave on Tuesday and Wednesday; then here on Thursday for finishing touches, and then Friday for signing out/across the River.

Others? It seems to me that this is a reasonable compromise, but will require that we have everything we need from her by Thursday/Friday of this week, so it can be reviewed here by us Tuesday/Wednesday of next week.

Other thoughts?

David.

**From:** Rowland, Jess

**Sent:** Sunday, May 17, 2015 7:51 PM

**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth

**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many "hanging chads"



JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David

**Sent:** Sunday, May 17, 2015 6:30 PM

**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth

**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

I have my final offer letter and a start date at FDA 5/31.

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## Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom

she added that I had forgotten about. Carol's responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what's below with respect to priorities, please let me know.

I had gone around to the BC's last week to see if there was anything outstanding that you needed. I didn't hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

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Tx.

David.

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**To:** Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov];  
OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson,  
Jeffrey[Dawson.Jeff@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 11:12:11 AM  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

**From:** Mendez, Elizabeth  
**Sent:** Monday, May 18, 2015 7:05 AM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey  
**Subject:** Re: epi - outstanding issues /next steps

David,

## Ex. 5 - Deliberative Process

Liz

---

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 8:03 PM  
**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

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Other thoughts?

David.

**From:** Rowland, Jess  
**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

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JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM

**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

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## **Ex. 5 - Deliberative Process**



# Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

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David.

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

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**To:** Lowit, Anna[Lowit.Anna@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 11:05:10 AM  
**Subject:** RE: epi - outstanding issues /next steps

Anna,

## Ex. 5 - Deliberative Process

David.

**From:** Lowit, Anna  
**Sent:** Sunday, May 17, 2015 11:06 PM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Anna

Sent from my Windows Phone

---

**From:** Miller, David

**Sent:** 5/17/2015 8:03 PM

**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth

**Subject:** RE: epi - outstanding issues /next steps

Ok. So I am hearing holiday on Monday (Memorial Day), annual leave on Tuesday and Wednesday; then here on Thursday for finishing touches, and then Friday for signing out/across the River.

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Other thoughts?

David.

**From:** Rowland, Jess

**Sent:** Sunday, May 17, 2015 7:51 PM

**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth

**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

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JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

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# Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** cpi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.



I had gone around to the BC's last week to see if there was anything outstanding that you needed. I didn't hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

**From:** Miller, David

**Sent:** Thursday, May 07, 2015 3:01 PM

**To:** Christensen, Carol

**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

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**To:** Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]  
**From:** Mendez, Elizabeth  
**Sent:** Mon 5/18/2015 11:04:48 AM  
**Subject:** Re: epi - outstanding issues /next steps

David,

## Ex. 5 - Deliberative Process

Liz

---

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 8:03 PM  
**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

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David.

**From:** Rowland, Jess  
**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

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Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

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**To:** OPP HED Managers  
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**To:** Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 12:03:34 AM  
**Subject:** RE: epi - outstanding issues /next steps

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**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many "hanging chads"

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

# Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

I had gone around to the BC's last week to see if there was anything outstanding that you needed. I didn't hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

# Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with reflect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Sun 5/17/2015 11:50:33 PM  
**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many “hanging chads”

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David



I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

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## **Ex. 5 - Deliberative Process**

David.

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**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

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David.

## **Ex. 5 - Deliberative Process**

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**Sent:** Thursday, May 07, 2015 3:01 PM  
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Tx.

David.

---

David J. Miller   CAPT | USPHS

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and Acting Chief, Toxicology & Epidemiology Branch  
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Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Miller, David  
**Sent:** Sun 5/17/2015 10:30:11 PM  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

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I have my final offer letter and a start date at FDA 5/31.

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## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

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David.

# Ex. 5 - Deliberative Process

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**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps



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## **Ex. 5 - Deliberative Process**

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David.

---

David J. Miller   CAPT|USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
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Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Lowit, Anna[Lowit.Anna@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Tue 5/12/2015 5:50:58 PM  
**Subject:** FW: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:48 PM  
**To:** Vogel, Dana  
**Cc:** Metzger, Michael  
**Subject:** RE: epi - outstanding issues /next steps

I had assumed it was this –

## Ex. 5 - Deliberative Process

If otherwise or this isn't straight out ir what is expected, please let me know.

David.

**From:** Vogel, Dana  
**Sent:** Tuesday, May 12, 2015 1:28 PM  
**To:** Miller, David  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

Dv

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

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David.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Danelle Lobdell (Lobdell.Danelle@epa.gov)[Lobdell.Danelle@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 5/2/2016 9:51:36 PM  
**Subject:** FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Milbourn, Cathy  
**Sent:** Monday, May 02, 2016 3:34 PM  
**To:** Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>  
**Cc:** Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>  
**Subject:** Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

## Ex. 5 - Deliberative Process

Outlets asking:



WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

[http://biologicaldiversity.org/news/press\\_releases/2016/glyphosate-05-02-2016.html](http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html)



CENTER for BIOLOGICAL DIVERSITY

Because

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, [ndonley@biologicaldiversity.org](mailto:ndonley@biologicaldiversity.org)

## **EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer**

PORTLAND, Ore.— An EPA [analysis](#) relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

"We shouldn't gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate," said Donley. "The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end."

The EPA's industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a [letter](#) to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by [glyphosate](#) was 1993.

*The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.*

*Alaska · Arizona · California · Florida · Minnesota · Nevada · New Mexico · New York · Oregon · Vermont · Washington*

*P.O. Box 710 · Tucson, AZ 85702-0710 · tel: (520) 623.5252 · fax: (520) 623.9797 · [www.BiologicalDiversity.org](http://www.BiologicalDiversity.org)*

---

You are subscribed to [Center-Plus@list.diversity.org](mailto:Center-Plus@list.diversity.org)

**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Tue 4/5/2016 9:01:40 PM  
**Subject:** RE: Confidential-HED nominations for non-opp awards

## Ex. 5 - Deliberative Process

Sent from my Windows Phone

---

**From:** Vogel, Dana  
**Sent:** 4/5/2016 3:58 PM  
**To:** OPP HED Managers; Lowit, Anna; Mendez, Elizabeth  
**Subject:** Confidential-HED nominations for non-opp awards

Here's what I have...

Let me know if I missed anyone.

Thanks,

Dv

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

# **Ex. 5 - Deliberative Process**

Director, Health Effects Division

Office of Pesticide Programs

USEPA

703-305-0874

**To:** Jeffrey Dawson (Dawson.Jeff@epa.gov)[Dawson.Jeff@epa.gov]; Dana Vogel[Vogel.Dana@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Fri 1/15/2016 11:17:39 PM  
**Subject:** FW: Glyphosate - JJ briefing slides  
Response to JJQ.12.15.15 JR .docx  
2016 JJ Briefing 1.15.16 JR.pptx  
ORD comments 12 21 15 final.docx

## Ex. 5 - Deliberative Process

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Rowland, Jess

**Sent:** Friday, January 15, 2016 2:51 PM

**To:** Housenger, Jack <Housenger.Jack@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>

**Subject:** Glyphosate - JJ briefing slides

**Importance:** High

Jack et al.

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 12/14/2015 8:00:14 PM  
**Subject:** RE: Glyphosate- Response to JJ's Questions

Hey. Does Jess have a new version of this?

Sent from my Windows Phone

---

**From:** Vogel, Dana  
**Sent:** 12/7/2015 1:01 PM  
**To:** Lowit, Anna  
**Subject:** RE: Glyphosate- Response to JJ's Questions

## Ex. 5 - Deliberative Process

**From:** Lowit, Anna  
**Sent:** Monday, December 07, 2015 10:45 AM  
**To:** Vogel, Dana <Vogel.Dana@epa.gov>  
**Subject:** RE: Glyphosate- Response to JJ's Questions

What did JJ send?

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Vogel, Dana  
**Sent:** Monday, December 07, 2015 10:11 AM  
**To:** Lowit, Anna <[Lowit.Anna@epa.gov](mailto:Lowit.Anna@epa.gov)>  
**Subject:** FW: Glyphosate- Response to JJ's Questions  
**Importance:** High

## Ex. 5 - Deliberative Process

**From:** Rowland, Jess  
**Sent:** Thursday, December 03, 2015 3:01 PM  
**To:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Jordan, William <[Jordan.William@epa.gov](mailto:Jordan.William@epa.gov)>; Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>  
**Subject:** Glyphosate- Response to JJ's Questions  
**Importance:** High

HI JJD

## Ex. 5 - Deliberative Process



Thanks

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 12/7/2015 3:44:31 PM  
**Subject:** RE: Glyphosate- Response to JJ's Questions

What did JJ send?

*Anna B. Lowit, Ph.D.*

Senior Scientist

Health Effects Division

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

**From:** Vogel, Dana  
**Sent:** Monday, December 07, 2015 10:11 AM  
**To:** Lowit, Anna <Lowit.Anna@epa.gov>  
**Subject:** FW: Glyphosate- Response to JJ's Questions  
**Importance:** High

## Ex. 5 - Deliberative Process

**From:** Rowland, Jess  
**Sent:** Thursday, December 03, 2015 3:01 PM  
**To:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Jordan, William <[Jordan.William@epa.gov](mailto:Jordan.William@epa.gov)>; Vogel, Dana <[Vogel.Dana@epa.gov](mailto:Vogel.Dana@epa.gov)>  
**Subject:** Glyphosate- Response to JJ's Questions  
**Importance:** High

HI JJD

# **Ex. 5 - Deliberative Process**

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**To:** Miller, David[Miller.DavidJ@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Wed 5/20/2015 5:02:18 PM  
**Subject:** RE: update

Great. Will invite both

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/20/2015 12:58 PM  
**To:** Vogel, Dana; Lowit, Anna; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Yes, Khin is fine. I told her a bit about it, and said she should expect to get an invitation from Anna for a meeting tomorrow.

David.

**From:** Vogel, Dana  
**Sent:** Wednesday, May 20, 2015 12:38 PM  
**To:** Lowit, Anna; Miller, David; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

David,

Did you talk to Khin? I mentioned about Beth to Christina and she was fine with it.

Dv

**From:** Lowit, Anna  
**Sent:** Wednesday, May 20, 2015 12:02 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Ok. So, who is going to cover for epi when she is gone? Can I invite whoever it is to the meeting tomorrow?

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 5:47 PM  
**To:** Lowit, Anna; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Ok. I will let Carol know the tentative plans.

David.

**From:** Lowit, Anna  
**Sent:** Tuesday, May 19, 2015 5:40 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Looks like I did hear from her late this afternoon. We will have it Thursday.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
To: Miller, David  
Subject: RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Wed 5/20/2015 4:01:37 PM  
**Subject:** RE: update

Ok. So, who is going to cover for epi when she is gone? Can I invite whoever it is to the meeting tomorrow?

Sent from my Windows Phone

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**From:** Miller, David  
**Sent:** 5/19/2015 5:47 PM  
**To:** Lowit, Anna; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Ok. I will let Carol know the tentative plans.

David.

**From:** Lowit, Anna  
**Sent:** Tuesday, May 19, 2015 5:40 PM  
**To:** Miller, David; Vogel, Dana; Rowland, Jess  
**Cc:** Smith, Charles  
**Subject:** RE: update

Looks like I did hear from her late this afternoon. We will have it Thursday.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --



# Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
To: Miller, David  
Subject: RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM  
To: Christensen, Carol  
Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

# Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess

R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Tue 5/19/2015 9:40:12 PM  
**Subject:** RE: update

Looks like I did hear from her late this afternoon. We will have it Thursday.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Tuesday, May 19, 2015 10:11 AM  
**To:** Miller, David  
**Subject:** RE: update

Hi

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I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

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Sent: Tuesday, May 19, 2015 8:34 AM

To: Christensen, Carol

Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

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From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

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Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

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I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Tue 5/19/2015 9:40:11 PM  
**Subject:** RE: update

I sent a request to move it but she didn't respond. Danelle and Ginger can move it.

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/19/2015 3:38 PM  
**To:** Vogel, Dana; Rowland, Jess; Lowit, Anna  
**Cc:** Smith, Charles  
**Subject:** FW: update

FYI --

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Tuesday, May 19, 2015 10:11 AM  
**To:** Miller, David  
**Subject:** RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

## Ex. 6 - Personal Privacy

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David

Sent: Tuesday, May 19, 2015 8:34 AM

To: Christensen, Carol

Subject: FW: update

Carol,

**Ex. 6 - Personal Privacy**

**Ex. 5 - Deliberative Process**

**Ex. 6 - Personal Privacy**

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 5:23 PM

To: Miller, David

Subject: update

Hi David

**Ex. 6 - Personal Privacy**

My hope is to complete all the tasks we have discussed by end of next week, and **Ex. 6 - Personal Privacy**

**Ex. 6 - Personal Privacy**

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

**Ex. 6 - Personal Privacy**

Carol

**To:** Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 5/18/2015 2:09:00 PM  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/18/2015 7:05 AM  
**To:** Lowit, Anna; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

Anna,

## Ex. 5 - Deliberative Process

David.

**From:** Lowit, Anna  
**Sent:** Sunday, May 17, 2015 11:06 PM  
**To:** Miller, David; Rowland, Jess; OPP HED Managers; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

## **Ex. 5 - Deliberative Process**

Anna

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/17/2015 8:03 PM  
**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

Ok. So I am hearing holiday on Monday (Memorial Day), annual leave on Tuesday and Wednesday; then here on Thursday for finishing touches, and then Friday for signing out/across the River.

Others? It seems to me that this is a reasonable compromise, but will require that we have everything we need from her by Thursday/Friday of this week, so it can be reviewed here by us Tuesday/Wednesday of next week.

Other thoughts?

David.

**From:** Rowland, Jess  
**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps



David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many “hanging chads”

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

## **Ex. 5 - Deliberative Process**

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

I had gone around to the BC’s last week to see if there was anything outstanding that you needed. I didn’t hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with reflect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)

703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; OPP HED Managers[OPP\_HED\_Managers@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Mendez, Elizabeth[Mendez.Elizabeth@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Mon 5/18/2015 3:05:42 AM  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Anna

Sent from my Windows Phone

---

**From:** Miller, David  
**Sent:** 5/17/2015 8:03 PM  
**To:** Rowland, Jess; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

Ok. So I am hearing holiday on Monday (Memorial Day), annual leave on Tuesday and Wednesday; then here on Thursday for finishing touches, and then Friday for signing out/across the River.

Others? It seems to me that this is a reasonable compromise, but will require that we have everything we need from her by Thursday/Friday of this week, so it can be reviewed here by us Tuesday/Wednesday of next week.

Other thoughts?

David.

**From:** Rowland, Jess  
**Sent:** Sunday, May 17, 2015 7:51 PM  
**To:** Miller, David; OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** RE: epi - outstanding issues /next steps

David

She needs to complete the tasks, come to work on Thursday to discuss her reviews and put the finishing touches.

If not there will be too many “hanging chads”

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

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## **Ex. 5 - Deliberative Process**

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

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David.

## **Ex. 5 - Deliberative Process**

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# Ex. 5 - Deliberative Process

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Tx.

David.

---

David J. Miller CAPT | USPHS

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and Acting Chief, Toxicology & Epidemiology Branch

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Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Lowit, Anna  
**Sent:** Tue 5/12/2015 6:57:44 PM  
**Subject:** Re: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Anna Lowit

Senior Scientist

Health Effects Division (MC 7509P)

Office of Pesticide Programs, USEPA

1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

work: 703-308-4135

cell: 703-258-4209

---

**From:** Vogel, Dana  
**Sent:** Tuesday, May 12, 2015 1:50 PM  
**To:** Lowit, Anna  
**Subject:** FW: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:48 PM  
**To:** Vogel, Dana  
**Cc:** Metzger, Michael  
**Subject:** RE: epi - outstanding issues /next steps

I had assumed it was this –

## Ex. 5 - Deliberative Process

If otherwise or this isn't straight out in what is expected, please let me know.

David.

**From:** Vogel, Dana  
**Sent:** Tuesday, May 12, 2015 1:28 PM  
**To:** Miller, David  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Dv

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol's responses, including two **NEW** ones at the bottom she added that I had forgotten about. Carol's responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what's below with respect to priorities, please let me know.

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David.

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**To:** Christensen, Carol  
**Subject:** next steps



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## **Ex. 5 - Deliberative Process**

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Tx.

David.

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**David J. Miller** CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** McCarroll, Nancy[McCarroll.Nancy@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Sat 9/26/2015 7:33:21 PM  
**Subject:** FW: muta language---new version

Hi Nancy

## Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719

**From:** Akerman, Gregory  
**Sent:** Saturday, September 26, 2015 2:57 PM  
**To:** Rowland, Jess  
**Subject:** muta language---new version

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

**To:** DAgostino, Jaime[DAgostino.Jaime@epa.gov]  
**Cc:** Davis, Donna[Davis.Donna@epa.gov]  
**From:** McCarroll, Nancy  
**Sent:** Wed 9/23/2015 11:50:48 AM  
**Subject:** RE: question about mutation studies

Jamie,

## Ex. 5 - Deliberative Process

Nancy

**From:** McCarroll, Nancy  
**Sent:** Tuesday, September 22, 2015 11:10 AM  
**To:** DAgostino, Jaime  
**Cc:** Davis, Donna  
**Subject:** RE: question about mutation studies

Jamie,

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Nancy

**From:** DAgostino, Jaime  
**Sent:** Tuesday, September 22, 2015 9:32 AM  
**To:** McCarroll, Nancy  
**Cc:** Davis, Donna

**Subject:** RE: question about mutation studies

## **Ex. 5 - Deliberative Process**

Jaime

**From:** McCarroll, Nancy  
**Sent:** Tuesday, September 22, 2015 9:20 AM  
**To:** DAgostino, Jaime  
**Cc:** Davis, Donna  
**Subject:** RE: question about mutation studies

Hi Jaime,

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

Nancy

**From:** DAgostino, Jaime  
**Sent:** Monday, September 21, 2015 12:14 PM  
**To:** McCarroll, Nancy  
**Subject:** question about mutation studies

Hi Nancy,

# Ex. 5 - Deliberative Process

Thanks,



Jaime

**To:** Middleton, Karlyn[Middleton.Karlyn@epa.gov]  
**From:** Swartz, Christina  
**Sent:** Mon 9/21/2015 6:31:56 PM  
**Subject:** RE: More Information about Commuting during Pope Francis' Visit to DC September 22-24

## Ex. 5 - Deliberative Process

Thanks,

Christina

**From:** Middleton, Karlyn  
**Sent:** Monday, September 21, 2015 1:02 PM  
**To:** Swartz, Christina  
**Subject:** RE: More Information about Commuting during Pope Francis' Visit to DC September 22-24

Hi Christina,

## Ex. 6 - Personal Privacy

## Ex. 5 - Deliberative Process

Scope/screen ethaboxam, cyphenothrin

Revise pirimiphos methyl

**From:** Swartz, Christina

**Sent:** Wednesday, September 16, 2015 1:10 PM

**To:** DAgostino, Jaime; Doherty, Michael; Drew, William; Figueroa, Zaida; Hansen, Linnea; Holman, Elizabeth; Middleton, Karlyn; Thornton, Gerard; cowins, janet; Crowley, Matthew

**Subject:** FW: More Information about Commuting during Pope Francis' Visit to DC September 22-24

**Importance:** High

All,

Please read the e-mail below regarding the options for teleworking and schedule adjustments next week during the Pope's visit. I expect my commute will not be affected, so I plan to be here Tuesday through Friday. [On Monday I'll need to take leave for part of the day, although at this time I'm not sure what my schedule is].

If you plan to telework, please indicate this on your outlook calendar, and provide a number at which you can be reached. Also, please let me know if you will be requesting episodic telework – if you're taking a "wait and see" approach or planning to telework ahead of time, in both cases make sure you have sufficient work/files with you to keep you occupied while at your alternative location. Since I'll be here, you can always get in touch if there's something you need (documents, etc.).

If you're participating in any of the events during the day, then you need to take annual leave.

If you have any questions at all, just drop by.

Yours,

Christina

**From:** MassMailer

**Sent:** Wednesday, September 16, 2015 1:00 PM

**To:** MassMailer

**Subject:** More Information about Commuting during Pope Francis' Visit to DC September 22-24

**Importance:** High



**Message from:** Karl Brooks, Acting Assistant Administrator, Office of Administration and Resources Management

---

I wanted to provide you with some additional information regarding the impact his Holiness Pope Francis' visit to the Washington, D.C. metropolitan area on Tuesday, September 22 through Thursday, September 24 will have for employees who work at the EPA's Federal Triangle Complex and Potomac Yard facilities.

As more information has become available about Pope Francis' schedule and road closures, it is highly likely that there will be considerable challenges for many employees entering and exiting the Washington,

D.C. area during his visit. While the Federal Government in the Washington, D.C. area will remain "OPEN," employees should expect significant commuting delays and travel disruptions including increased traffic, road closures, detours, crowded trains and buses and longer wait times at stops and stations. Later this week we will provide you with more logistical details concerning FTC access.

To help alleviate traffic congestion and minimize distraction to law enforcement and security officials, the Office of Personnel Management has encouraged federal agencies in Washington, D.C. to allow employees to follow alternative work schedules during September 22-24. **Our agency encourages headquarters employees to consider episodic telework, especially on Wednesday, September 23, if appropriate work is available, and with supervisory approval.** Other options, also requiring supervisory approval include:

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Moving regularly scheduled telework days
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Moving alternative work schedule days off
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Taking annual leave
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Using previously earned compensatory time off

As a reminder, newly hired employees will be granted a telework waiver that will enable them to telework during the Pope's visit. These employees must meet the requirements for telework prior to September 21.

Employees who must go into their offices should allow extra time for commuting and monitor local news media for announcements on street and building closures, or any possible changes to Washington, D.C.-area federal government operating status.

**To:** Middleton, Karlyn[Middleton.Karlyn@epa.gov]  
**Cc:** Crowley, Matthew[Crowley.Matthew@epa.gov]; Holman, Elizabeth[Holman.Elizabeth@epa.gov]  
**From:** Swartz, Christina  
**Sent:** Thur 9/10/2015 5:19:29 PM  
**Subject:** RE: diphenylamine HASPOC memo  
diphenylamine HASPOC 9-10-15 CS.docx

Diphenyls,

The document looks great – I only had a few edits/formats, etc. See attached.

Yours,

Christina

**From:** Middleton, Karlyn  
**Sent:** Thursday, September 10, 2015 10:29 AM  
**To:** Swartz, Christina  
**Subject:** diphenylamine HASPOC memo

See diphenylamine HASPOC memo attached.

**From:** Swartz, Christina  
**Sent:** Thursday, September 10, 2015 8:15 AM  
**To:** Middleton, Karlyn  
**Subject:** RE: flexiplace AM; Leave PM

Okay – **Ex. 6 - Personal Privacy**

C

**From:** Middleton, Karlyn  
**Sent:** Thursday, September 10, 2015 6:32 AM  
**To:** Swartz, Christina  
**Subject:** flexiplace AM; Leave PM

Hi Christina,

**Ex. 6 - Personal Privacy**

**Ex. 6 - Personal Privacy**

I have a glyphosate CARC pre meeting at 8am that I plan to attend. I will also review the glyphosate CARC document, finish up diuron so I can send it to Jess and Dana, and incorporate team comments into my HASPOC memo to forward to you. I'll be checking my email so you can send me the HASPOC memo when you are done. I'll incorporate your comments and forward it to Uma. Thanks.

**To:** Middleton, Karlyn[Middleton.Karlyn@epa.gov]  
**From:** Swartz, Christina  
**Sent:** Thur 9/10/2015 12:14:48 PM  
**Subject:** RE: flexiplace AM; Leave PM

Okay – **Ex. 6 - Personal Privacy**

C

**From:** Middleton, Karlyn  
**Sent:** Thursday, September 10, 2015 6:32 AM  
**To:** Swartz, Christina  
**Subject:** flexiplace AM; Leave PM

Hi Christina,

I am not feeling well today. I would like to work at home this morning until noon and take leave in the PM from 12:30-4:30pm. I have a glyphosate CARC pre meeting at 8am that I plan to attend. I will also review the glyphosate CARC document, finish up diuron so I can send it to Jess and Dana, and incorporate team comments into my HASPOC memo to forward to you. I'll be checking my email so you can send me the HASPOC memo when you are done. I'll incorporate your comments and forward it to Uma. Thanks.



**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Kidwell, Jessica[kidwell.jessica@epa.gov]  
**From:** Middleton, Karlyn  
**Sent:** Mon 9/28/2015 9:01:36 PM  
**Subject:** RE: Glyphosate  
Glyphosate CARC FINAL 9 28 15 JRkm.docx

See edits.

**From:** Rowland, Jess  
**Sent:** Sunday, September 27, 2015 9:02 PM  
**To:** Akerman, Gregory; Brunsman, Lori; Chen, Jonathan; Dunbar, Anwar; Kent, Ray; Liccione, John; Lobdell, Danelle; Middleton, Karlyn; McCarroll, Nancy; Wood, Charles  
**Subject:** Glyphosate  
**Importance:** High

Greg et al.,

## Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Thanks for all your help; special thanks to the valuable contributions by Charles and Danelle.

JR

Jess Rowland,

Deputy Director  
Health Effects Division  
703-308-2719



**To:** Swartz, Christina[Swartz.Christina@epa.gov]  
**From:** Middleton, Karlyn  
**Sent:** Mon 9/21/2015 8:25:53 PM  
**Subject:** RE: More Information about Commuting during Pope Francis' Visit to DC September 22-24

Ok.

**From:** Swartz, Christina  
**Sent:** Monday, September 21, 2015 2:32 PM  
**To:** Middleton, Karlyn  
**Subject:** RE: More Information about Commuting during Pope Francis' Visit to DC September 22-24

## Ex. 5 - Deliberative Process

Thanks,

Christina

**From:** Middleton, Karlyn  
**Sent:** Monday, September 21, 2015 1:02 PM  
**To:** Swartz, Christina  
**Subject:** RE: More Information about Commuting during Pope Francis' Visit to DC September 22-24

Hi Christina,

## Ex. 6 - Personal Privacy

## Ex. 5 - Deliberative Process

**From:** Swartz, Christina

**Sent:** Wednesday, September 16, 2015 1:10 PM

**To:** DAgostino, Jaime; Doherty, Michael; Drew, William; Figueroa, Zaida; Hansen, Linnea; Holman, Elizabeth; Middleton, Karlyn; Thornton, Gerard; cowins, janet; Crowley, Matthew

**Subject:** FW: More Information about Commuting during Pope Francis' Visit to DC September 22-24

**Importance:** High

All,

Please read the e-mail below regarding the options for teleworking and schedule adjustments next week during the Pope's visit. I expect my commute will not be affected, so I plan to be here Tuesday through Friday. [On Monday I'll need to take leave for part of the day, although at this time I'm not sure what my schedule is].

If you plan to telework, please indicate this on your outlook calendar, and provide a number at which you can be reached. Also, please let me know if you will be requesting episodic telework

– if you’re taking a “wait and see” approach or planning to telework ahead of time, in both cases make sure you have sufficient work/files with you to keep you occupied while at your alternative location. Since I’ll be here, you can always get in touch if there’s something you need (documents, etc.).

If you’re participating in any of the events during the day, then you need to take annual leave.

If you have any questions at all, just drop by.

Yours,

Christina

**From:** MassMailer

**Sent:** Wednesday, September 16, 2015 1:00 PM

**To:** MassMailer

**Subject:** More Information about Commuting during Pope Francis’ Visit to DC September 22-24

**Importance:** High



**Message from: Karl Brooks, Acting Assistant Administrator, Office of Administration and Resources Management**

---

I wanted to provide you with some additional information regarding the impact his Holiness Pope Francis' visit to the Washington, D.C. metropolitan area on Tuesday, September 22 through Thursday, September 24 will have for employees who work at the EPA's Federal Triangle Complex and Potomac Yard facilities.

As more information has become available about Pope Francis' schedule and road closures, it is highly likely that there will be considerable challenges for many employees entering and exiting the Washington, D.C. area during his visit. While the Federal Government in the Washington, D.C. area will remain "OPEN," employees should expect significant commuting delays and travel disruptions including increased traffic, road closures, detours, crowded trains and buses and longer wait times at stops and stations. Later this week we will provide you with more logistical details concerning FTC access.

To help alleviate traffic congestion and minimize distraction to law enforcement and security officials, the Office of Personnel Management has encouraged federal agencies in Washington, D.C. to allow employees to follow alternative work schedules during September 22-24. **Our agency encourages headquarters employees to consider episodic telework, especially on Wednesday, September 23, if appropriate work is available, and with supervisory approval.** Other options, also requiring supervisory approval include:

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Moving regularly scheduled telework days
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Moving alternative work schedule days off
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Taking annual leave
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Using previously earned compensatory time off

As a reminder, newly hired employees will be granted a telework waiver that will enable them to telework during the Pope's visit. These employees must meet the requirements for telework prior to September 21.

Employees who must go into their offices should allow extra time for commuting and monitor local news media for announcements on street and building closures, or any possible changes to Washington, D.C.-area federal government operating status.

**To:** Christensen, Carol[Christensen.Carol@epa.gov]; Miller, David[Miller.DavidJ@epa.gov];  
Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Smith, Charles  
**Sent:** Mon 5/18/2015 7:27:35 PM  
**Subject:** RE: next steps

## Ex. 5 - Deliberative Process

Charles " Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs  
703-305-0291

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Monday, May 18, 2015 3:12 PM  
**To:** Smith, Charles; Miller, David; Rowland, Jess  
**Cc:** Vogel, Dana  
**Subject:** RE: next steps

Billy -

## Ex. 5 - Deliberative Process

Carol

---

**From:** Smith, Charles  
**Sent:** Monday, May 18, 2015 10:29 AM  
**To:** Miller, David; Christensen, Carol; Rowland, Jess  
**Cc:** Vogel, Dana  
**Subject:** RE: next steps

## Ex. 5 - Deliberative Process

Charles " Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs



703-305-0291

-----Original Message-----

From: Miller, David

Sent: Monday, May 18, 2015 10:15 AM

To: Christensen, Carol; Rowland, Jess; Smith, Charles

Cc: Vogel, Dana

Subject: FW: next steps

Carol,

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol

Sent: Monday, May 18, 2015 9:19 AM

To: Miller, David

Subject: RE: next steps

Please see attached.

Comments welcome.

I will finalize Weds.

Thanks

Carol

---

From: Miller, David

Sent: Friday, May 15, 2015 1:32 PM

To: Christensen, Carol

Subject: RE: next steps

Tx.

I spoke to Jess R. Here is what he thinks:

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 9:56 AM  
To: Miller, David  
Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

Regarding the

# **Ex. 5 - Deliberative Process**

Regarding the other stuff below,

# **Ex. 5 - Deliberative Process**

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

# **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

p.s. – I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. – I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David  
Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete, and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

## Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave. Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with respect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS  
Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch Health Effects Division Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)  
Visit

www.epa.gov/pesticides<http://www.epa.gov/pesticides<http://www.epa.gov/pesticides<http://www.epa.gov/pesticides>>

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Davis, Donna  
**Sent:** Mon 5/18/2015 10:18:33 AM  
**Subject:** RE: epi - outstanding issues /next steps

David,

## Ex. 5 - Deliberative Process

Donna

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:30 PM  
**To:** OPP HED Managers; Lowit, Anna; Dawson, Jeffrey; Mendez, Elizabeth  
**Subject:** FW: epi - outstanding issues /next steps

All,

I received the following email from Carol, indicating that she would like to take Memorial Day week off, and have her last day in the office be 22 May instead of what I had originally anticipated as being 29 May (in effect, leaving 4 days earlier than originally anticipated).

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

# Ex. 5 - Deliberative Process

David.

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning



on wrapping a lot of this up before she leaves. If there are issues with what's below with respect to priorities, please let me know.

I had gone around to the BC's last week to see if there was anything outstanding that you needed. I didn't hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

Please think about how you want to wind things up over these last few weeks – what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete , and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Also - to let you know – I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with reflect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time – please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Smith, Charles  
**Sent:** Mon 5/18/2015 10:21:12 AM  
**Subject:** RE: next steps re: CARC/IARC issues

David,

## Ex. 5 - Deliberative Process

Charles "Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs  
703-305-0291

---

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:18 PM  
**To:** Rowland, Jess  
**Cc:** Smith, Charles; Vogel, Dana  
**Subject:** FW: next steps re: CARC/IARC issues

See Carol's response below.

## Ex. 5 - Deliberative Process

Probably good to talk. She indicated to me Friday that she would like to take her last week her off as annual leave (so she would be leaving one week earlier than we thought)- I am sending an email around on this for thoughts/concerns by BC's

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 9:56 AM

To: Miller, David

Subject: RE: next steps

# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David

Sent: Thursday, May 14, 2015 6:34 PM

To: Christensen, Carol  
Subject: RE: next steps

Thanks.

Regarding the

## **Ex. 5 - Deliberative Process**

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
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Hi David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

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p.s. - I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. - I have a follow on [Ex. 6 - Personal Privacy](#) the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David  
Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

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## Ex. 5 - Deliberative Process



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David.

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)<<http://www.epa.gov/pesticides>>

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Rowland, Jess  
**Sent:** Fri 5/15/2015 2:26:09 PM  
**Subject:** RE: next steps

David

Here is my response

## Ex. 5 - Deliberative Process

JR  
Jess Rowland,  
Deputy Director  
Health Effects Division  
703-308-2719

---

**From:** Miller, David  
**Sent:** Friday, May 15, 2015 10:04 AM  
**To:** Rowland, Jess  
**Subject:** FW: next steps

Jess -

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 9:56 AM  
To: Miller, David  
Subject: RE: next steps

Thanks David.

# **Ex. 5 - Deliberative Process**

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

Regarding the item on

# **Ex. 5 - Deliberative Process**

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Davis, Donna  
**Sent:** Wed 5/13/2015 10:25:00 AM  
**Subject:** RE: epi - outstanding issues /next steps

David,

What is the industry-submitted malathion epi review? I was not aware we had an industry submission.

Donna

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

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David.

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** Vogel, Dana  
**Sent:** Tue 5/12/2015 5:28:01 PM  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Dv

**From:** Miller, David  
**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

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David.

## Ex. 5 - Deliberative Process

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**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

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Tx.

David.

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David J. Miller   CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** Smith, Charles[Smith.Charles@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]  
**From:** Miller, David  
**Sent:** Wed 1/27/2016 6:25:45 AM  
**Subject:** Fw: Another Publication about Method of Detection of Glyphosate in Breast Milk  
J. Ag. Food Chem. Determination of glyphosate levels in breast milk samples from Germany by LC-MS\_MS and GC-MS\_MS

FYI -- sent to "Billy" and it didn't go. here it is.

---

**From:** Miller, David  
**Sent:** Wednesday, January 27, 2016 1:24 AM  
**To:** Anderson, Neil; Nguyen, Thuy  
**Cc:** Sarkar, Bayazid  
**Subject:** Re: Another Publication about Method of Detection of Glyphosate in Breast Milk

Thanks. I attach the article here.

## Ex. 5 - Deliberative Process

daivid

---

**From:** Anderson, Neil  
**Sent:** Tuesday, January 26, 2016 9:51 PM  
**To:** Nguyen, Thuy; Miller, David  
**Subject:** Another Publication about Method of Detection of Glyphosate in Breast Milk

Thuy / David,

Just FYI, but another publication has posted about detection methods for glyphosate in breast milk. Don't know how this one compares to the 2 other validated methods.

Hope you guys aren't too snowed in.

Neil

---

**From:** JENKINS, DANIEL J [AG/1920] <daniel.j.jenkins@monsanto.com>  
**Sent:** Tuesday, January 26, 2016 8:38 PM  
**To:** Nguyen, Khue  
**Cc:** Moriarty, Thomas; Anderson, Neil; LISTELLO, JENNIFER J [AG/1000]  
**Subject:** Re: glyphosate slides from meeting in early June

Hi All:

Wanted to make you aware of this publication re glyphosate and breast milk

<http://pubs.acs.org/doi/abs/10.1021/acs.jafc.5b05852>

Dan Jenkins  
US Agency Lead  
Monsanto Company  
202.383.2851 office  
571.732.6575 cell

On Oct 27, 2015, at 9:22 AM, Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)> wrote:

Hi Dan,

Yes, that is fine. Please send to my attention at this address:

Pesticide Reevaluation Division  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Thank you!

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]

**Sent:** Tuesday, October 27, 2015 10:11 AM

**To:** Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)>

**Cc:** Moriarty, Thomas <[Moriarty.Thomas@epa.gov](mailto:Moriarty.Thomas@epa.gov)>; Anderson, Neil  
<[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>

**Subject:** RE: glyphosate slides from meeting in early June

Hi:

One of the slides is CBI so we don't want to email. Can we submit to the 4<sup>th</sup> floor on a CD to your attention?

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575



**From:** Nguyen, Khue [<mailto:Nguyen.Khue@epa.gov>]  
**Sent:** Monday, October 19, 2015 10:59 AM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Cc:** Moriarty, Thomas; Anderson, Neil  
**Subject:** glyphosate slides from meeting in early June

Good morning Dan,

I hope you are well!

Do you recall the meeting that we had with Monsanto back in early June on glyphosate? I have been searching through my emails and electronic files for the PowerPoint that was presented by Monsanto, but was unable to find it. Can you please forward to us a copy of the PowerPoint presentation from the meeting on June 4th?

**Please be sure to note slides containing CBI or where you wish information to be redacted**, in case we post the presentation in the public docket for glyphosate.

Thanks!

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

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**To:** Smith, Charles[Smith.Charles@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]  
**From:** Miller, David  
**Sent:** Wed 1/27/2016 6:33:25 AM  
**Subject:** Re: Another Publication about Method of Detection of Glyphosate in Breast Milk

OOops. ppb -- it's late. That's good.

---

**From:** Miller, David  
**Sent:** Wednesday, January 27, 2016 1:25 AM  
**To:** Smith, Charles; Perron, Monique  
**Subject:** Fw: Another Publication about Method of Detection of Glyphosate in Breast Milk

FYI -- sent to "Billy" and it didn't go. here it is.

---

**From:** Miller, David  
**Sent:** Wednesday, January 27, 2016 1:24 AM  
**To:** Anderson, Neil; Nguyen, Thuy  
**Cc:** Sarkar, Bayazid  
**Subject:** Re: Another Publication about Method of Detection of Glyphosate in Breast Milk

Thanks. I attach the article here.

## Ex. 5 - Deliberative Process

daivid

---

**From:** Anderson, Neil  
**Sent:** Tuesday, January 26, 2016 9:51 PM  
**To:** Nguyen, Thuy; Miller, David  
**Subject:** Another Publication about Method of Detection of Glyphosate in Breast Milk

Thuy / David,

Just FYI, but another publication has posted about detection methods for glyphosate in breast milk. Don't know how this one compares to the 2 other validated methods.

Hope you guys aren't too snowed in.

Neil

---

**From:** JENKINS, DANIEL J [AG/1920] <daniel.j.jenkins@monsanto.com>  
**Sent:** Tuesday, January 26, 2016 8:38 PM  
**To:** Nguyen, Khue  
**Cc:** Moriarty, Thomas; Anderson, Neil; LISTELLO, JENNIFER J [AG/1000]  
**Subject:** Re: glyphosate slides from meeting in early June

Hi All:

Wanted to make you aware of this publication re glyphosate and breast milk

<http://pubs.acs.org/doi/abs/10.1021/acs.jafc.5b05852>

Dan Jenkins  
US Agency Lead  
Monsanto Company  
202.383.2851 office  
571.732.6575 cell

On Oct 27, 2015, at 9:22 AM, Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)> wrote:

Hi Dan,

Yes, that is fine. Please send to my attention at this address:

Pesticide Reevaluation Division

One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Thank you!

Khue Nguyen  
Chemical Review Manager  
Risk Management and Implementation Branch 1  
Pesticide Re-evaluation Division  
Office of Pesticide Programs, EPA  
703-347-0248  
[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, October 27, 2015 10:11 AM  
**To:** Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)>  
**Cc:** Moriarty, Thomas <[Moriarty.Thomas@epa.gov](mailto:Moriarty.Thomas@epa.gov)>; Anderson, Neil  
<[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>  
**Subject:** RE: glyphosate slides from meeting in early June

Hi:

One of the slides is CBI so we don't want to email. Can we submit to the 4<sup>th</sup> floor on a CD to your attention?

Dan Jenkins  
U.S. Agency Lead  
Regulatory Affairs

Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**From:** Nguyen, Khue [<mailto:Nguyen.Khue@epa.gov>]  
**Sent:** Monday, October 19, 2015 10:59 AM  
**To:** JENKINS, DANIEL J [AG/1920]  
**Cc:** Moriarty, Thomas; Anderson, Neil  
**Subject:** glyphosate slides from meeting in early June

Good morning Dan,

I hope you are well!

Do you recall the meeting that we had with Monsanto back in early June on glyphosate? I have been searching through my emails and electronic files for the PowerPoint that was presented by Monsanto, but was unable to find it. Can you please forward to us a copy of the PowerPoint presentation from the meeting on June 4th?

**Please be sure to note slides containing CBI or where you wish information to be redacted**, in case we post the presentation in the public docket for glyphosate.

Thanks!

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

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**To:** Doherty, Michael[Doherty.Michael@epa.gov]  
**Cc:** Nollen, Laura[Nollen.Laura@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]  
**From:** Miller, David  
**Sent:** Wed 1/6/2016 5:49:10 PM  
**Subject:** FW: Draft Meeting Minutes and Attachments

Mike,

## Ex. 5 - Deliberative Process

David.

**From:** NYANGULU, JAMES M [AG/1920] [mailto:james.m.nyangulu@monsanto.com]  
**Sent:** Wednesday, January 06, 2016 12:42 PM  
**To:** Miller, David <Miller.DavidJ@epa.gov>  
**Cc:** Nollen, Laura <Nollen.Laura@epa.gov>  
**Subject:** RE: Draft Meeting Minutes and Attachments

I know the agenda hasn't been finalized for next week's meeting at the EPA, but I was wondering if glyphosate will be up for discussion in light of the Special JMPR Meeting in May and the CCPR in April 2016.

Thanks

James

**From:** Miller, David [mailto:Miller.DavidJ@epa.gov]  
**Sent:** Tuesday, January 05, 2016 8:45 PM  
**To:** NYANGULU, JAMES M [AG/1920]; Nollen, Laura



**Subject:** RE: Draft Meeting Minutes and Attachments

Hello James,

The position has not been filled. What normally happens is that CropLife America will propose a nominee to EPA which is the organization which will ultimately decide. CLA has been asked to propose a name this month. It will be topic agenda for the next weeks Codex meeting.

If you are interested in additional information, your best bet would be to contact Ray McAllister at CLA to determine the status.

David.

---

David J. Miller   CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**From:** NYANGULU, JAMES M [AG/1920] [<mailto:james.m.nyangulu@monsanto.com>]

**Sent:** Tuesday, January 05, 2016 10:20 AM

**To:** Nollen, Laura <[Nollen.Laura@epa.gov](mailto:Nollen.Laura@epa.gov)>  
**Cc:** Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)>  
**Subject:** RE: Draft Meeting Minutes and Attachments

Thanks Laura,

I just one more question from the agenda.

David Miller requested that the CLA propose candidates to fill the second Industry Representative position that was previously held by Jamin Huang. David requests that any candidates be provided prior to the January Delegation meeting

Has this position been filled?

Thanks

James

**From:** Nollen, Laura [<mailto:Nollen.Laura@epa.gov>]  
**Sent:** Tuesday, January 05, 2016 10:09 AM  
**To:** NYANGULU, JAMES M [AG/1920]  
**Cc:** Miller, David  
**Subject:** FW: Draft Meeting Minutes and Attachments

Good Morning James,

FYI, the next U.S. Delegation meeting is scheduled for next Thursday, 1/14 from 1-3

pm.

There is a slight chance that we will have to reschedule because there are issues with securing a different conference room, but we should know that by COB today or tomorrow.

I have also now added you to the e-mail distribution list.

Thanks,

Laura Nollen (Bacon)

Risk Assessment Branch 3 (Detail)

Health Effects Division

Office of Pesticide Programs

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, N.W.

Washington, D.C. 20460

Phone: (703) 305-7390

**From:** Nollen, Laura

**Sent:** Monday, January 04, 2016 1:49 PM

**To:** 'Ron Williams, Jr.' <[ronaldwilliams@coca-cola.com](mailto:ronaldwilliams@coca-cola.com)>

**Subject:** FW: Draft Meeting Minutes and Attachments

Hi Ron,

Did you receive this message? Our next meeting is scheduled for next Thursday, January 14<sup>th</sup>. I should be circulating an agenda by the end of the week for this meeting. If, for some reason, the meeting is rescheduled I will provide that information as soon as it is known.

Thank you,

Laura Nollen (Bacon)

Risk Assessment Branch 3 (Detail)

Health Effects Division

Office of Pesticide Programs

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, N.W.

Washington, D.C. 20460

Phone: (703) 305-7390

**From:** Nollen, Laura

**Sent:** Thursday, November 05, 2015 3:19 PM

**Cc:** Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)>; 'Maratos, Marie - FSIS' <[Marie.Maratos@fsis.usda.gov](mailto:Marie.Maratos@fsis.usda.gov)>

**Subject:** RE: Draft Meeting Minutes and Attachments

Good Afternoon Everybody,

Attached are the final minutes from the October 22<sup>nd</sup> U.S. Delegation Meeting. I did not receive any comments to the draft minutes that were circulated last week. The date of the next U.S. Delegation meeting has been scheduled for Thursday, January 14, 2016 from 1-3 pm. Further details, including the meeting agenda, will be circulated prior to the meeting.

As a reminder, any additional compound nominations were due on November 2<sup>nd</sup> in preparation for submission to the electronic working group on priorities by Thanksgiving.

Thank you,

Laura Nollen (Bacon)

Risk Assessment Branch 3 (Detail)

Health Effects Division

Office of Pesticide Programs

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, N.W.

Washington, D.C. 20460

Phone: (703) 305-7390

**From:** Nollen, Laura

**Sent:** Tuesday, October 27, 2015 10:55 AM

**Cc:** Nollen, Laura <[Nollen.Laura@epa.gov](mailto:Nollen.Laura@epa.gov)>; Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)>

**Subject:** Draft Meeting Minutes and Attachments

Good Morning Everybody,

Attached for your consideration are draft minutes from the October 22<sup>nd</sup> U.S. Delegation meeting. Please review these minutes and let me know if you have any edits within a week, or by November 3<sup>rd</sup>. I was unable to hear some names of those participating via teleconference, so please check that I have your name listed on the attendees list if you called in.

I have also attached the 2015 JMPR Summary Report, the 2015 CCPR report, the 2015 CAC Report, a link to the U.S. Delegate's Report, and an attachment of the talking points that David referenced during the meeting (which include an embedded hyperlink to a pesticide dashboard/database that increases accessibility to data on JMPR assessments and MRLs). I have also attached the updated Draft Priorities List from the EWG on Priorities (including US nomination current as of last Wednesday) that I will continue to update as I receive additional nominations, as well as a copy of the blank nomination form.

Report of the U.S. Delegation to the CCPR:

<http://www.fsis.usda.gov/wps/portal/fsis/topics/international-affairs/us-codex-alimentarius/recent-delegation-reports/2015/delegate-report-47-ccpr>

**Next Meeting:** Listed are several proposed times for the next US Delegation meeting. Please let me know if you have any conflicts with any of the following dates or times. When I circulate the final minutes, I will also let you know of the final date and time for the next U.S. Delegation meeting.

Thurs., January 14 from 1-3 pm or 2-4 pm

Tues., January 19 from 1-3 pm

Wed., Jan. 20 from 1-3 pm

Thurs., Jan 21 from 1-3 pm or 2-4 pm

Warm Regards,

Laura Bacon (Nollen)

Risk Assessment Branch 3 (Detail)

Health Effects Division

Office of Pesticide Programs

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, N.W.

Washington, D.C. 20460

Phone: (703) 305-7390

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**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**Cc:** Ex. 6 - Personal Privacy  
**From:** Miller, David  
**Sent:** Thur 7/2/2015 2:01:41 PM  
**Subject:** RE: Action Requested: Outside OPP Awards Due NLT Thursday, July 2nd at 10am

## Ex. 5 - Deliberative Process

david.

---

**From:** Vogel, Dana  
**Sent:** Thursday, July 2, 2015 9:46 AM  
**To:** Miller, David  
**Subject:** FW: Action Requested: Outside OPP Awards Due NLT Thursday, July 2nd at 10am

Did you writeup the Danelle award? If not, can you send me 3 sentences and I'll have it done here. Its due today.

Thanks,

Dv

**From:** Vogel, Dana  
**Sent:** Tuesday, June 30, 2015 12:58 PM  
**To:** OPP HED Managers  
**Subject:** Fwd: Action Requested: Outside OPP Awards Due NLT Thursday, July 2nd at 10am

Dana Vogel  
Sent from my iPhone

Begin forwarded message:

**From:** "Banks, Christine" <Banks.Christine@epa.gov<mailto:Banks.Christine@epa.gov>>  
**To:** "Vogel, Dana" <Vogel.Dana@epa.gov<mailto:Vogel.Dana@epa.gov>>, "Rowland, Jess" <Rowland.Jess@epa.gov<mailto:Rowland.Jess@epa.gov>>  
**Cc:** "Brooks, Sonya" <Brooks.Sonya@epa.gov<mailto:Brooks.Sonya@epa.gov>>  
**Subject:** FW: Action Requested: Outside OPP Awards Due NLT Thursday, July 2nd at 10am  
Corrected accounting updated in email below...

From: Banks, Christine  
Sent: Tuesday, June 30, 2015 12:13 PM  
To: Vogel, Dana; Rowland, Jess  
Cc: Monell, Marty; Brooks, Sonya  
Subject: Action Requested: Outside OPP Awards Due NLT Thursday, July 2nd at 10am

Good Afternoon,

## **Ex. 5 - Deliberative Process**

Feel free to contact me if you have any questions or concerns. As always, I am more than willing to assist.

Thanks,

Christine Banks  
Special Assistant (Acting)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
703-308-7088

**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Wed 5/20/2015 1:03:40 AM  
**Subject:** RE: update

Carol,

Here is an update on where things are re: next week.

## Ex. 5 - Deliberative Process

Perhaps we could talk a bit tomorrow about next week and your schedule, but it looks good for you to be able to take leave for most of those days.

Tx.

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Tuesday, May 19, 2015 10:11 AM  
To: Miller, David  
Subject: RE: update

Hi

Thanks for the information and the responses to the 'miscellaneous' items I sent in a separate email.

Concerning the leave schedule, if the week off is not possible, I would prefer to come back Tues., check out Tues if possible, or Weds, and have a chunk of free time before I start Monday, June 1 at FDA.

I will work with Anna to re-schedule the meeting for next week, I know it's difficult since there is an SAP all week. Danelle is up to date on the Westat stuff.

Thanks

Carol

-----Original Message-----

From: Miller, David  
Sent: Tuesday, May 19, 2015 8:34 AM

To: Christensen, Carol  
Subject: FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

From: Christensen, Carol  
Sent: Friday, May 15, 2015 5:23 PM  
To: Miller, David  
Subject: update

Hi David

I have my final offer letter and a start date at FDA 5/31.

My hope is to complete all the tasks we have discussed by end of next week, and take annual leave the week of the 25th.

Therefore, my last day at EPA in the office will be next Friday. If all goes according to plan, I will be moving out my books etc. on that day.

Please let me know if you have any thoughts or concerns about this, or if anyone needs anything else from me before I leave.

I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Christensen, Carol[Christensen.Carol@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/19/2015 12:34:01 PM  
**Subject:** FW: update

Carol,

I am continuing to check with the BCs on the annual leave next week -- no final answer yet.

## Ex. 5 - Deliberative Process

So... I think the minimum we could do is Thursday (and maybe Friday, as check out day) here, with Monday (holiday) Tuesday, and Wednesday off. We are still looking at the whole week off, but it will depend on what Jess R. and Anna can do. Does that sound ok if that is how it works out?

David.

-----Original Message-----

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Sent: Friday, May 15, 2015 5:23 PM  
To: Miller, David  
Subject: update

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I have always appreciated the autonomy you have afforded me and confidence you have shown toward me and my work over the years.

Carol

**To:** Smith, Charles[Smith.Charles@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Miller, David  
**Sent:** Mon 5/18/2015 11:41:52 AM  
**Subject:** RE: next steps re: CARC/IARC issues

## Ex. 5 - Deliberative Process

David.

---

**From:** Smith, Charles  
**Sent:** Monday, May 18, 2015 6:21 AM  
**To:** Miller, David; Rowland, Jess  
**Cc:** Vogel, Dana  
**Subject:** RE: next steps re: CARC/IARC issues

David,

## Ex. 5 - Deliberative Process

Charles " Billy" Smith  
Branch Chief RAB4  
Health Effects Division  
Office of Pesticide Programs  
703-305-0291

---

**From:** Miller, David  
**Sent:** Sunday, May 17, 2015 6:18 PM  
**To:** Rowland, Jess  
**Cc:** Smith, Charles; Vogel, Dana  
**Subject:** FW: next steps re: CARC/IARC issues

See Carol's response below.

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, May 15, 2015 9:56 AM

To: Miller, David

Subject: RE: next steps

Thanks David.

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

Regarding the

# Ex. 5 - Deliberative Process



David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

## **Ex. 5 - Deliberative Process**

Thanks

p.s. - I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. - I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David  
Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

Please think about how you want to wind things up over these last few weeks - what needs to be done and you plan on completing before you leave, what should be passed on to somebody else to complete, and the things that could be dropped for the immediate future, etc.

The activities/tasks for the next three weeks that come to my mind for categorization include:

## **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

Also - to let you know - I spoke to Kent Thomas this a.m. to fill him in terms of the IAG, etc when you leave. Liz E. is IAG-certified (or whatever they call it), so she will probably be taking that over on at least a temporary basis with respect to paperwork (but not epi) issues, ensuring things don't fall through the cracks etc. Please talk to her, assembling the material and records she will need to continue the IAG as well as timeline of upcoming events and deadlines so that she is aware. I told her that I didn't think required a lot of work most of the time - please let me know if otherwise.

Finally, don't feel the above list is necessarily things you need to complete before you leave. Instead, it is just the things that I am aware of and need will need to be dealt with or passed on.

Tx.

David.

---

David J. Miller CAPT | USPHS  
Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch Health Effects Division Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)<<http://www.epa.gov/pesticides>>

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**Cc:** Smith, Charles[Smith.Charles@epa.gov]; Vogel, Dana[Vogel.Dana@epa.gov]  
**From:** Miller, David  
**Sent:** Sun 5/17/2015 10:17:31 PM  
**Subject:** FW: next steps re: CARC/IARC issues

See Carol's response below.

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Friday, May 15, 2015 9:56 AM  
**To:** Miller, David  
**Subject:** RE: next steps

## Ex. 5 - Deliberative Process

# **Ex. 5 - Deliberative Process**

Carol

---

From: Miller, David  
Sent: Thursday, May 14, 2015 6:34 PM  
To: Christensen, Carol  
Subject: RE: next steps

Thanks.

Regarding the

# **Ex. 5 - Deliberative Process**

# Ex. 5 - Deliberative Process

David.

From: Christensen, Carol  
Sent: Tuesday, May 12, 2015 1:08 PM  
To: Miller, David  
Subject: RE: next steps

Hi David

I believe I responded to the original email Friday, I am sorry I didn't get back to you in time for the management meeting. Here are my specific thoughts:

# Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

p.s. - I need to go to FDA for some security things, I am unclear whether I need to put in leave this afternoon, but I was planning to attend the security issues and then work from home 3-6pm on the Westat material review.

p.p.s. - I have a follow on **Ex. 6 - Personal Privacy** in the morning Weds. I was planning to be in by noon tomorrow.

Thanks, I will be on-line later today if you have other issues for me.

Carol

From: Miller, David  
Sent: Tuesday, May 12, 2015 8:34 AM  
To: Christensen, Carol  
Subject: RE: next steps

Carol,

I'd like to bring this up at the Staff meeting or shortly thereafter. Could you please go through this, and see what you anticipate having done by your requested transfer date.

If there is anything missing, please let me know that, too.

Tx.

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
To: Christensen, Carol  
Subject: next steps

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David.

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)<<http://www.epa.gov/pesticides>>

**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Miller, David  
**Sent:** Fri 5/15/2015 2:04:18 PM  
**Subject:** FW: next steps

Jess -

## Ex. 5 - Deliberative Process

David.

-----Original Message-----

**From:** Christensen, Carol  
**Sent:** Friday, May 15, 2015 9:56 AM  
**To:** Miller, David  
**Subject:** RE: next steps

Thanks David.

## Ex. 5 - Deliberative Process

Carol

---

**From:** Miller, David  
**Sent:** Thursday, May 14, 2015 6:34 PM  
**To:** Christensen, Carol  
**Subject:** RE: next steps

Thanks.

Regarding the item on

## Ex. 5 - Deliberative Process

David.

From: Miller, David  
Sent: Thursday, May 07, 2015 3:01 PM  
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Subject: next steps

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)<<http://www.epa.gov/pesticides>>

**To:** Vogel, Dana[Vogel.Dana@epa.gov]  
**Cc:** Metzger, Michael[Metzger.Michael@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/12/2015 5:47:46 PM  
**Subject:** RE: epi - outstanding issues /next steps

I had assumed it was this –

## Ex. 5 - Deliberative Process

If otherwise or this isn't straight out in what is expected, please let me know.

David.

**From:** Vogel, Dana  
**Sent:** Tuesday, May 12, 2015 1:28 PM  
**To:** Miller, David  
**Subject:** RE: epi - outstanding issues /next steps

## Ex. 5 - Deliberative Process

Dv

**From:** Miller, David

**Sent:** Tuesday, May 12, 2015 1:25 PM  
**To:** OPP HED Managers  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

I had gone around to the BC’s last week to see if there was anything outstanding that you needed. I didn’t hear much – if you have thought of things since, please add them.

David.

## **Ex. 5 - Deliberative Process**



# Ex. 5 - Deliberative Process

**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
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**Subject:** next steps

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Tx.

David.

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Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

**To:** OPP HED Managers[OPP\_HED\_Managers@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 5/12/2015 5:24:57 PM  
**Subject:** epi - outstanding issues /next steps

FYI – here is the list I provided and Carol’s responses, including two NEW ones at the bottom she added that I had forgotten about. Carol’s responses are in bold black. I think she is planning on wrapping a lot of this up before she leaves. If there are issues with what’s below with respect to priorities, please let me know.

I had gone around to the BC’s last week to see if there was anything outstanding that you needed. I didn’t hear much – if you have thought of thinks since, please add them.

David.

## **Ex. 5 - Deliberative Process**

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**From:** Miller, David  
**Sent:** Thursday, May 07, 2015 3:01 PM  
**To:** Christensen, Carol  
**Subject:** next steps

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# Ex. 5 - Deliberative Process

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David.

---

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**To:** Rowland, Jess[Rowland.Jess@epa.gov]  
**From:** Miller, David  
**Sent:** Wed 5/6/2015 5:11:11 PM  
**Subject:** FW: Glyphosate CARC Meeting

Apart from the email below from Lori saying that she had invited Danielle to the CARC Glyphosate meeting and the suggestion from Carol C. in an email that Danielle be invited, I don't have any email from you or Carol to which Danielle was a party.

If you have a direct email communication to/from Danielle on this (e.g, your request to here for which you perhaps did not receive a reply), please forward it to me.

Tx.

David.

---

**From:** Miller, David  
**Sent:** Wednesday, May 06, 2015 1:07 PM  
**To:** Brunsman, Lori; Rowland, Jess; Christensen, Carol  
**Cc:** Schlosser, Christopher  
**Subject:** RE: Glyphosate CARC Meeting

Lori -- Has Daniell Lobdell responded to your invite to the June Glyphosate CARC meeting?

Carol - have you communicated with Danielle on this directly?

David.

---

**From:** Brunsman, Lori  
**Sent:** Wednesday, April 29, 2015 7:32 AM  
**To:** Rowland, Jess; Christensen, Carol; Miller, David  
**Cc:** Schlosser, Christopher  
**Subject:** RE: Glyphosate CARC Meeting

I have invited Danelle Lobdell to the Glyphosate CARC meeting.

Have a great day!

Lori

\*\*\*\*\*

*Lori Brunsman, Statistician and Project Officer  
Science Information Management Branch  
Health Effects Division  
Office of Pesticide Programs*



*Office of Chemical Safety and Pollution Prevention  
Environmental Protection Agency  
One Potomac Yard S-10934  
[brunsman.lori@epa.gov](mailto:brunsman.lori@epa.gov)  
703-308-2902*

---

**From:** Rowland, Jess  
**Sent:** Wednesday, April 29, 2015 7:11 AM  
**To:** Christensen, Carol; Miller, David  
**Cc:** Schlosser, Christopher; Brunsman, Lori  
**Subject:** RE: Glyphosate CARC Meeting

Hi Carol

# Ex. 5 - Deliberative Process

Regards

JR

Jess Rowland,  
Deputy Director  
Health Effects Division  
703-308-2719

-----Original Appointment-----

**From:** Christensen, Carol **On Behalf Of** Brunsman, Lori  
**Sent:** Tuesday, April 28, 2015 11:27 AM  
**To:** Rowland, Jess; Miller, David; Smith, Charles  
**Subject:** FW: Glyphosate CARC Meeting  
**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** DCRoomPYS10100/Potomac-Yard-One

# Ex. 5 - Deliberative Process

Carol

-----Original Appointment-----

**From:** Brunsman, Lori

**Sent:** Tuesday, April 28, 2015 8:51 AM

**To:** Brunsman, Lori; Schlosser, Christopher; Miller, David; Christensen, Carol; Sarkar, Bayazid; Shah, Aruna; Tao, Jenny; OPP HED CARC

**Cc:** Kidwell, Jessica

**Subject:** Glyphosate CARC Meeting

**When:** Wednesday, June 24, 2015 10:30 AM-12:30 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** DCRoomPYS10100/Potomac-Yard-One

**Sent:** Mon 3/23/2015 8:44:25 PM  
**Subject:** FW: Lancet Oncology IARC summary  
(malation/diazinon/glyphosate/tetrachlorpvinphos/parathion)  
[Glyphosate 2nd peer review 1991.pdf](#)

## **Ex. 5 - Deliberative Process**

3. Hogan, G. K. (1983). A study of glyphosate in mice. Unpublished report, Bio/Dynamics Inc., dated July 1981. EPA Acc. Nos. 251007

a. Experimental Design

Groups of 50 male and 50 female C57BL/6 mice were fed glyphosate in the diet at concentrations of 0, 10, 30,000 ppm for 18 months.

b. Discussion of Tumor Data

Glyphosate produced an equivocal result in males characterized by an increase in the incidence of neoplasms of 1/49, 0/49, 1/50, and 0/50 in low-, mid-, and high-dose groups, respectively. Histological studies terminated between 1978 and 1981 by the testing laboratory indicated that no tumor was found in 2/19 controls (a total of 3/1286).

The Toxicology Branch Ad Hoc Committee, in their meeting of February 1985, classified glyphosate as a "Class II carcinogen" (March 4, 1985). The kidney specialist consulting pathologist, and data from the study indicated that an additional kidney tumor

**From:** Kent, Ray  
**Sent:** Monday, March 23, 2015 11:34 AM  
**To:** Miller, David  
**Subject:** RE: Lancet Oncology IARC summary  
(malation/diazinon/glyphosate/tetrachlorpvinphos/parathion)

David, fyi...

I've attached the most recent CARC review of glyphosate (1991). We had a much different opinion of the animal data in 1991 than the IARC folks do now.

Ray

**From:** Miller, David  
**Sent:** Friday, March 20, 2015 2:53 PM  
**To:** OPP HED  
**Subject:** FW: Lancet Oncology IARC summary  
(malation/diazinon/glyphosate/tetrachlorpvinphos/parathion)

FYI – for those with an interest, the attached is the recently released IARC summary report on findings for malathion/diazinon/ glyphosate/ tetrachlorpvinphos/parathion.

The WHO/IARC graphic below shows how the 2A (malathion, diazinon, and glyphosate) and 2B (tetrachlorvinphos and parathion) group classifications were derived based on the animal and human epi results reviewed by the IARC Panel.

|                    |                   | EVIDENCE IN EXPERIMENTAL ANIMALS             |                                                                        |                   |
|--------------------|-------------------|----------------------------------------------|------------------------------------------------------------------------|-------------------|
|                    |                   | <i>Sufficient</i>                            | <i>Limited</i>                                                         | <i>Inadequate</i> |
| EVIDENCE IN HUMANS | <i>Sufficient</i> | Group 1 ( <i>carcinogenic to humans</i> )    |                                                                        |                   |
|                    | <i>Limited</i>    | Group 2A<br>( <i>probably carcinogenic</i> ) | Group 2B ( <i>possibly carcinogenic</i> )<br>(exceptionally, Group 2A) |                   |
|                    | <i>Inadequate</i> | Group 2B<br>( <i>possibly carcinogenic</i> ) | Group 3 ( <i>not classifiable</i> )                                    |                   |

David

-----Original Message-----

From: Miller, David

Sent: Friday, March 20, 2015 1:57 PM

To: Christensen, Carol; Britton, Wade; Rowland, Jess

Cc: Vogel, Dana

Subject: RE: Lancet Oncology IARC summary  
(malation/diazinon/glyphosate/tetrachlorpvinphos)

Thanks, Carol.

I've attached the downloaded PDF of the article to make it simpler for folks.

David.

-----Original Message-----

From: Christensen, Carol

Sent: Friday, March 20, 2015 1:24 PM

To: Britton, Wade; Miller, David; Rowland, Jess

Subject: RE: Lancet Oncology IARC summary  
(malation/diazinon/glyphosate/tetrachlorpvinphos)

FYI: [http://www.thelancet.com/pdfs/journals/lanonc/PIIS1470-2045\(15\)70134-8.pdf](http://www.thelancet.com/pdfs/journals/lanonc/PIIS1470-2045(15)70134-8.pdf)

---

From: Christensen, Carol

Sent: Friday, March 20, 2015 11:53 AM

To: Britton, Wade; Miller, David; Rowland, Jess

Subject: Lancet Oncology IARC summary (malation/diazinon/glyphosate/tetrachlorpvinphos)

Hi All

I just learned that the summary of the IARC-pesticide meeting is expected to be available on line

around 1 pm today. FYI.

I think this is the link: <http://www.thelancet.com/journals/lanonc/issue/current>.

Carol



**To:** Antonio Hernández Jerez[ajerez@ugr.es]; 'CRIVELLENT  
Federica'[Federica.CRIVELLENT@efsa.europa.eu]  
**Bcc:** DavidJ Miller[Miller.DavidJ@epa.gov]; Ex. 6 - Personal Privacy  
**From:** Miller, David  
**Sent:** Wed 5/4/2016 11:26:17 PM  
**Subject:** RE: May 2 -- BNA, Inc. Monsanto Weed Killer Glyphosate Not Carcinogenic: EPA Daily Environment Report - Afternoon Briefing

Some aftermath – perhaps also of interest...

### Science Committee Seeks Answers on EPA Glyphosate Report

*Posted May 04, 2016, 4:02 P.M. ET*

*By David Schultz*

The chairman of the House Science Committee is seeking answers from the Environmental Protection Agency about its handling of a [report](#) on the cancer-causing potential of a widely used pesticide.

In a [letter](#) today to EPA Administrator Gina McCarthy, Rep. Lamar Smith (R-Texas) said the EPA's handling of a report from its Cancer Assessment Review Committee on the weed killer glyphosate "raises questions about the agency's motivations in providing a fair assessment of glyphosate" and "may shed light on larger systemic problems occurring at the agency."

The EPA report found that glyphosate, the signature pesticide developed by Monsanto, likely does not cause cancer. The finding contradicted a recent World Health Organization finding.

The agency posted the report online April 29, apparently inadvertently. The report was taken down three days later, after Bloomberg BNA reported on it. Smith asked McCarthy to turn over all internal communications relating to the report to his committee.

**From:** Antonio Hernández Jerez [mailto:ajerez@ugr.es]  
**Sent:** Tuesday, May 03, 2016 3:42 AM  
**To:** Miller, David <Miller.DavidJ@epa.gov>  
**Cc:** 'CRIVELLENT Federica' <Federica.CRIVELLENT@efsa.europa.eu>  
**Subject:** RE: May 2 -- BNA, Inc. Monsanto Weed Killer Glyphosate Not Carcinogenic: EPA Daily Environment Report - Afternoon Briefing

Yes, it was out since some time ago. In the following post from 05/02/2016 ([http://www.huffingtonpost.com/carey-gillam/what-is-going-on-with-gly\\_b\\_9825326.html](http://www.huffingtonpost.com/carey-gillam/what-is-going-on-with-gly_b_9825326.html)) there is a link to the final report from 1wst October 2015. Also I have found it in yahoo (<https://www.yahoo.com/news/epa-takes-offline-report-says-glyphosate-not-likely-011225391.html>).

Thanks David,

Antonio

**De:** Miller, David [<mailto:Miller.DavidJ@epa.gov>]  
**Enviado el:** martes, 03 de mayo de 2016 1:15  
**Para:** Hernandez Jerez, Antonio  
**CC:** CRIVELLENTA Federica  
**Asunto:** RE: May 2 -- BNA, Inc. Monsanto Weed Killer Glyphosate Not Carcinogenic: EPA Daily Environment Report - Afternoon Briefing

Well, it's out, and Google-able from the news services, so I don't suppose it too much matters now. Here's what appears on Google News, both of which appear to be Press Releases:

**Once Again, EPA Concludes That Glyphosate Does Not Cause Cancer**

Business Wire (press release) - 2 hours ago

ST. LOUIS--(BUSINESS WIRE)--As part of its ongoing registration review of the herbicide **glyphosate**, the U.S. Environmental Protection Agency (EPA) has published its official classification of **glyphosate** as "Not Likely to be Carcinogenic to Humans."

**EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer**

Center for Biological Diversity (press release) - 5 hours ago

PORTLAND, Ore.— An EPA analysis relying heavily on unpublished, industry funded studies has determined that **glyphosate**, commonly known as Roundup, is "not likely to be carcinogenic to humans." The EPA determination, released to the public on Friday, ...

And, yes, nice to see similar conclusions.

David.

**From:** Hernandez Jerez, Antonio [<mailto:ajerez@ugr.es>]  
**Sent:** Monday, May 02, 2016 5:35 PM  
**To:** Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)>  
**Cc:** CRIVELLENTA Federica <[Federica.CRIVELLENTA@efsa.europa.eu](mailto:Federica.CRIVELLENTA@efsa.europa.eu)>

**Subject:** Re: May 2 -- BNA, Inc. Monsanto Weed Killer Glyphosate Not Carcinogenic: EPA Daily Environment Report - Afternoon Briefing

Hi David,

Thank you so much for the news. I will keep it confidential at any level.

I have read the executive summary and I am happy that at the same time (last quarter of 2015) both EFSA and OPP came to the same conclusion. It is extremely important how all the available evidence (epidemiological and experimental, either from the open literature or regulatory studies) should be properly weighed before reaching a conclusion.

Best,

Antonio

El 2/5/2016, a las 22:43, Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)> escribió:

Oops. I just checked. It apparently was not supposed to be put out or made available and this was a surprise to us.

David.

**From:** Miller, David

**Sent:** Monday, May 02, 2016 4:20 PM

**To:** 'CRIVELLENTI Federica' <[Federica.CRIVELLENTI@efsa.europa.eu](mailto:Federica.CRIVELLENTI@efsa.europa.eu)>; Antonio

Hernández Jerez <[ajerez@ugr.es](mailto:ajerez@ugr.es)>

**Subject:** FW: May 2 -- BNA, Inc. Monsanto Weed Killer Glyphosate Not Carcinogenic:  
EPADaily Environment Report - Afternoon Briefing

Hello Federica and Antonio,

I thought you might be interested in this news item from BNA. I've excerpted the article below, and the links should function.

Bottom line: the CARC document is now public. I don't know the extent to which this CARC report may or may not have been shared with you earlier, with regard to either specifics or generalities.

David.

---

David J. Miller   CAPT | USPHS

Chief, Chemistry & Exposure Branch  
and Acting Chief, Toxicology & Epidemiology Branch  
Health Effects Division  
Office of Pesticide Programs  
703-305-5352 (voice)  
703-305-5147 (fax)

Visit [www.epa.gov/pesticides](http://www.epa.gov/pesticides)

*Posted May 02, 2016, 11:55 A.M. ET*

*By [David Schultz](#)*

A cancer review committee at the Environmental Protection Agency has determined that glyphosate, Monsanto's signature weed killing chemical that is one of the most used pesticides in the world, is likely not a carcinogen.

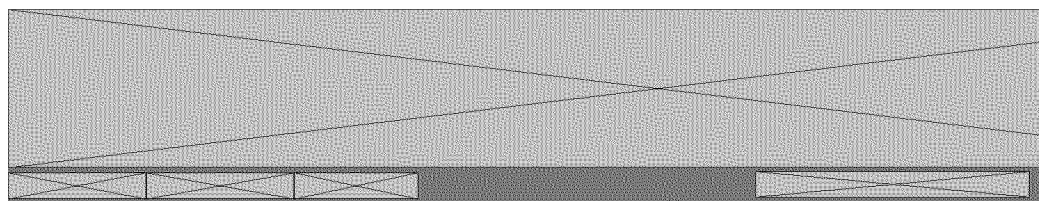
The committee's final [report](#), released online late Friday, reaches the opposite conclusion of a [report](#) from a year ago by the cancer research arm of the World Health Organization. That finding, that glyphosate is a likely carcinogen, had widespread ramifications—from increased regulatory actions in some states to new product liability lawsuits against Monsanto.

In its own report, the EPA's Cancer Assessment Review Committee determined that the WHO's review of scientific studies on glyphosate was skewed because it failed to take into account studies that reported no observable results.

**From:** BNA Highlights [<mailto:bhighlig@email.bna.com>]  
**Sent:** Monday, May 02, 2016 4:05 PM  
**To:** Miller, David <[Miller.DavidJ@epa.gov](mailto:Miller.DavidJ@epa.gov)>  
**Subject:** May 2 -- BNA, Inc. Daily Environment Report - Afternoon Briefing

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### **Afternoon Briefing - Your Preview of Today's News**

The following news provides a snapshot of what Bloomberg BNA is working on today. Read the full version of all the stories in the final issue, published each night.

## **EPA Directs Regions to Play Active Chemicals Management Role**

*Posted May 02, 2016, 12:54 P.M. ET*

*By [Pat Rizzuto](#)*

The Environmental Protection Agency headquarters is directing regional offices to actively

manage chemicals more than they have ever done.

"The new regional role is a significant change as the regions did not previously have much of a role in the Toxic Substances Control Act other than things like new chemicals enforcement and management of lead and PCBs," said Charles Auer, a consultant with Charles Auer & Associates LLC who directed EPA's chemicals office for much of his 32-year career at the agency.

The EPA posted on April 29 an [addendum](#) revising National Program Managers guidance issued in 2015. The addendum guides managers as to what chemical and related issues they should focus on for the rest of this fiscal year, which ends Sept. 30., and FY 2017.

Regions are to let public health, local officials and other interested parties know the results of risk assessments the agency completes and work with such parties to manage high-priority chemicals.

Regional offices must let headquarters know about their chemical risk-reduction activities this year, the amended guidance said. Previously, such work was optional.

## **EPA Denies Reconsideration of New Power Plant Carbon Rule**

*Posted May 02, 2016, 12:31 P.M. ET*

*By [Andrew Childers](#)*

The Environmental Protection Agency today [denied](#) five petitions to administratively reconsider its carbon dioxide standards for new and modified power plants, but the agency said it is deferring action on a sixth petition seeking to reconsider how biogenic carbon is treated under the rule.

The Utility Air Regulatory Group, American Electric Power, Ameren Corp., the Energy and Environmental Legal Institute and Wisconsin had all sought reconsideration of the new source performance standards for carbon dioxide emissions from new and modified power plants (RIN 2060-AQ91), arguing the carbon capture technology required for new coal-fired units is not adequately demonstrated based on technical challenges and cost overruns at the SaskPower Boundary Dam in Canada. The petitions had also challenged the EPA's methodology for determining baseline emissions from regulated power plants and the agency's outreach to environmental advocacy groups.

In an [explanation](#) of its denial, the EPA said that the challenges were unfounded or the issues were not raised in a timely manner.

The EPA said it has not yet taken action on a separate petition from the Biogenic CO2 Coalition, which had sought reconsideration of how the rule treats biogenic carbon, an issue also raised by Wisconsin.

## **Michigan Governor Seeks Flint Meeting with Obama**

*Posted May 02, 2016, 12:19 P.M. ET*

*By [Rachel Leven](#)*

Michigan Gov. Rick Snyder (R) has requested a meeting this week with President Barack Obama and Flint, Mich., Mayor Karen Weaver to discuss the city's drinking water crisis, he said at a news conference today.

Snyder said today that he is waiting to receive a response. Obama is scheduled to visit Flint on Wednesday.

The governor, who said he is drinking filtered Flint water to show it is safe, said he wants to open a dialogue with the president on “how can we all work together to make Flint a better, stronger community and address the water problem as much as possible.”

Flint citizens still must drink bottled or filtered water and Snyder declined to offer a time frame for when citizens can expect to drink nonfiltered water. There is a flushing program ongoing in Flint and the city's water will be tested later this month, Snyder said, adding that lead service line removal is also part of the solution.

## **President Unlikely to Announce Aid in Flint: Earnest**

*Posted May 02, 2016, 3:36 P.M. ET*

By [Rachel Leven](#)

President Barack Obama is unlikely to announce during his Flint, Mich., visit on Wednesday “a new package of relief” for the city battling a drinking water crisis, the White House press secretary said today.

“Obviously, there's been a significant commitment of resources to try to help the people of Flint in this urgent situation,” press secretary Josh Earnest told reporters, adding that Congress must send resources to Flint. Aid language has been on the table in Congress for months without success but has mostly recently been tacked onto a Senate water resources bill (S. 2848) that is set for floor consideration.

The president is also unlikely to delve into specific accountability for the crisis, beyond making “a forceful case that as the president, he feels responsible for the safety and well-being of every American,” Earnest said. The press secretary added that Michigan Gov. Rick Snyder (R) has received the traditional invitation as governor to meet the president on the tarmac in his state, following Snyder's earlier comments that he has requested a meeting with Obama.

“Governor Snyder, to his credit, has recognized that there is an important role for the state to play in helping the citizens of Flint recover,” Earnest said, stating that he was unsure whether a more in-depth meeting with Snyder would occur. “[T]his is a situation that should transcend political. This should be an opportunity for Democrats and Republicans to come together and try to right many of the wrongs that have been sustained by the citizens of Flint.”

## **Monsanto Weed Killer Glyphosate Not Carcinogenic: EPA**

*Posted May 02, 2016, 11:55 A.M. ET*

By [David Schultz](#)

A cancer review committee at the Environmental Protection Agency has determined that glyphosate, Monsanto's signature weed killing chemical that is one of the most used pesticides in the world, is likely not a carcinogen.

The committee's final [report](#), released online late Friday, reaches the opposite conclusion of a [report](#) from a year ago by the cancer research arm of the World Health Organization. That finding, that glyphosate is a likely carcinogen, had widespread ramifications—from increased regulatory actions in some states to new product liability lawsuits against Monsanto.

In its own report, the EPA's Cancer Assessment Review Committee determined that the WHO's review of scientific studies on glyphosate was skewed because it failed to take into account studies that reported no observable results.

## Colorado Supreme Court Says Local Fracking Bans Preempted

*Posted May 02, 2016, 1:59 P.M. ET*

By [Tripp Baltz](#)

The Colorado Supreme Court today said in two separate rulings that a hydraulic fracturing ban in Longmont and a five-year moratorium in Fort Collins are preempted by state law and are therefore “invalid and unenforceable” (City of Longmont v. Colo. Oil and Gas Ass'n, Colo., No. 15SC667, 5/2/16; City of Fort Collins v. Colo. Oil and Gas Ass'n, Colo., No. 15SC668, 5/2/16).

The court, in a 19-page [ruling](#) May 2 on Fort Collins's voter-approved moratorium, said oil and gas drilling “is a matter of mixed state and local concern and, therefore, is subject to preemption by state law.” The court said the five-year moratorium “operationally conflicts with the effectuation of state law.” It made a similar ruling in a 29-page [opinion](#) about a voter-approved fracking ban in Longmont.

The two decisions affirm a Larimer County district court's ruling invalidating the Fort Collins moratorium on fracking and the storage of fracking waste in the city and a Boulder County district court's ruling invalidating the Longmont ban. The court remanded both cases for further proceedings consistent with its decisions.

## EPA Needs to Report Benefits of Green Projects, OIG Says

*Posted May 02, 2016, 3:09 P.M. ET*

By [Amena H. Saiyid](#)

The Environmental Protection Agency needs a process to routinely collect and assess environmental and economic benefits of energy and water efficiency, green infrastructure and environmentally innovative projects that have been funded by the clean water state revolving fund, the agency's inspector general said today.

Between 2009 and 2014, the EPA awarded more than \$12.7 billion in state revolving funds to states. Of that amount, \$3.24 billion, or more than 25 percent, has funded green project reserve projects, or projects such as green infrastructure that yield sustainable solutions for wastewater infrastructure problems.

“Routine measurement and reporting of the benefits of completed projects can improve the EPA's ability to effectively oversee, manage and monitor the environmental and economic benefits of the substantial investment of \$3.24 billion in public funds for GPR projects,” the Inspector General said in [“EPA Needs to Assess Environmental and Economic Benefits of Completed Clean Water State Revolving Fund Green Projects.”](#)

Since 2009, Congress has required that 20 percent of the funds appropriated for the clean water state revolving fund be set aside for the green project reserve fund that would finance projects that yield sustainable solutions for resolving wastewater infrastructure needs.

Daily Environment Report

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**To:** Miller, David[Miller.DavidJ@epa.gov]  
**From:** VanAlstine, Julie  
**Sent:** Tue 3/24/2015 4:00:48 PM  
**Subject:** Monsanto coming in on Monday to discuss method for detection of glyphosate residues in breast milk

Hi David,

The meeting with Monsanto is next Monday to discuss their method for detecting glyphosate residues in breast milk. I noticed you were not invited. Do you want me to forward you the invite Carissa sent out for the meeting? There is also a pre-meeting this Friday.

Thanks,

Julie

---

Julie L. Van Alstine

Risk Assessment Branch 6

Health Effects Division

Office of Pesticide Programs

Email: VanAlstine.Julie@epa.gov

Phone: 703-603-8866

-----Original Appointment-----

**From:** Cyran, Carissa

**Sent:** Tuesday, March 17, 2015 12:46 PM

**To:** Cyran, Carissa; Moriarty, Thomas; Anderson, Neil; Miller, Wynne; Guilaran, Yu-Ting;

Nguyen, Thuy; Smith, Charles; Keigwin, Richard; VanAlstine, Julie; Perron, Monique; Bloem, Thomas

**Subject:** Breast Milk Discussion with Monsanto

**When:** Monday, March 30, 2015 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** DCRoomPYS9100/Potomac-Yard-One

Hello,

Monsanto has requested a meeting to discuss their method for the detection of glyphosate in milk and to seek the agency's feedback.

**Call-in Information**

**Ex. 6 - Personal Privacy**

Thank you,

Carissa

**To:** Crowley, Matthew[crowley.matthew@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 3/24/2015 7:25:44 PM  
**Subject:** FW: German regulators responding to questions related to glyphosate/cancer  
[Glyphosate D417808 mem.pdf](#)  
[Glyphosate IARC review- comments on references -rjk DJM.docx](#)  
[monsanto-bites-back-at-glyphosate-f.pdf](#)

**From:** Miller, David  
**Sent:** Tuesday, March 24, 2015 2:54 PM  
**To:** Jordan, William  
**Cc:** Kent, Ray  
**Subject:** FW: German regulators responding to questions related to glyphosate/cancer

## Ex. 5 - Deliberative Process

David.

2

**From:** Miller, David  
**Sent:** Tuesday, March 24, 2015 12:39 PM

**To:** Jordan, William

**Subject:** RE: German regulators responding to questions related to glyphosate/cancer

Thanks.

## Ex. 5 - Deliberative Process

David.

**From:** Jordan, William

**Sent:** Tuesday, March 24, 2015 12:25 PM

**To:** Miller, David

**Subject:** FW: German regulators responding to questions related to glyphosate/cancer

FYI

Bill

William Jordan

Deputy Director, Programs  
Office of Pesticide Programs  
U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

|                            |                     |
|----------------------------|---------------------|
| Mailing Address:           | Courier Address:    |
| USEPA Headquarters         | Potomac Yards South |
| Clinton Building           | 2777 Crystal Drive  |
| 1200 Pennsylvania Ave., NW | Room 12-235         |
| Mail Code (7501P)          | Arlington, VA       |
| Washington, DC 20460       |                     |

**From:** Overstreet, Anne  
**Sent:** Tuesday, March 24, 2015 10:31 AM  
**To:** Sisco, Debby; Jordan, William; Strauss, Linda; Han, Kaythi; Dinkins, Darlene  
**Subject:** German regulators responding to questions related to glyphosate/cancer

FYI – the information below was apparently from German regulators in response to inquiries related to glyphosate.

---

Anne Overstreet, Chief  
Communication Services Branch  
Field and External Affairs Division  
Office of Pesticide Programs  
Environmental Protection Agency  
[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)

(703)308-8068



**From:** Goodis, Michael  
**Sent:** Tuesday, March 24, 2015 10:26 AM  
**To:** Overstreet, Anne  
**Subject:** FW:

FYI to keep you in the loop

Michael L. Goodis, P.E.

Associate Director, Pesticide Re-evaluation Division (7508P)

Office of Pesticide Programs

US Environmental Protection Agency

Phone: 703-308-8157

[goodis.michael@epa.gov](mailto:goodis.michael@epa.gov)

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, March 24, 2015 10:24 AM  
**To:** JENKINS, DANIEL J [AG/1920]; Goodis, Michael  
**Cc:** Keigwin, Richard; Cyran, Carissa; Rowland, Jess; Anderson, Neil; Housenger, Jack  
**Subject:** RE:

The German Regulators have responded. We hope that EPA would consider the following in their approach to responses:



## Does Glyphosate cause cancer?

(English translation of text at <http://www.bfr.bund.de/cm/343/loest-glyphosat-krebs-aus.pdf>)

Communication 007/2015 BfR March 23, 2015

Glyphosate, the ingredient in plant protection products, was deemed non-carcinogenic after review by national, European and other international institutions including the Joint Meeting on Pesticide Residues of the World Health Organisation and UN Food and Agriculture Organisation, of all the studies at their disposal.

At a meeting of the International Agency for Research on Cancer (IARC) of the World Health Organization in Lyon in March 2015, experts gathered to discuss glyphosate and, based on the studies they looked at, came to a different classification, namely as a Group 2A carcinogen, or “probably” carcinogenic for humans. This Classification was published in a short report in the journal "Lancet" on March 20, 2015.

The (German) Federal Institute for Risk Assessment (BfR) was appointed EU rapporteur for glyphosate as part of the EU re-evaluation and is commenting on this IARC Classification on the basis of the summary that was published.

Seventeen experts from 11 countries met at the IARC in March 2015 to weigh the carcinogenicity or potential carcinogenicity of four organophosphates and glyphosate, none of which has been classified by the competent European authorities as carcinogenic or mutagenic.

On the basis of the information at the BfR's disposal, the classification of glyphosate in the Lancet on March 20 as belonging to Group 2A (probably carcinogenic to humans) is **scientifically hard to follow and apparently based on very few studies**. The IARC decision cannot be judged definitively, however, since the final IARC Monograph, in which its decision will be backed up with more information, is not yet published.

The recently published IARC classification is based partially on indications of carcinogenic effect in human studies, i.e. a statistical relationship between exposure to glyphosate and an increased risk of non-Hodgkin lymphomas. This risk is derived from three epidemiological studies from the USA, Canada and Sweden. However, this conclusion was not shared a very large scale “Agricultural Health Study”, also cited, or by other studies. **In the current report of the BfR to the EU, on the other hand, over 30 epidemiological studies were evaluated. In the comprehensive opinion, there was no proven relationship between exposure to glyphosate and an increased risk of non-Hodgkin's lymphoma or other types of cancer.**

**Furthermore, IARC advances findings from animal testing as proof of a carcinogenic effect of glyphosate. All of these findings were also considered in the glyphosate appraisals of the BfR, the EU institutions and the Joint Meeting on Pesticide Residues of the WHO and FAO, which is responsible for the appraisal of pesticide ingredients. These organizations came to the overall conclusion that glyphosate is not carcinogenic. The BfR does not know**

how many of the 11 long-term studies on rats and mice considered valid by the BfR were available to the IARC.

The theory advanced in one study that skin tumors could be caused by a highly concentrated, irritant formulation with the ingredient were also not regarded by the EU institutions as proof for the carcinogenic qualities of glyphosate.

Indications for a gene toxic potential of glyphosate cannot be concluded from IARC's published summary, since the review also included formulations that were not further described.

The fact that different bodies reach different conclusions from different information and interpretations of experimental data is a daily reality in risk assessment. The BfR will examine IARC's classification in detail once the Monograph is published.

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
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1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**From:** JENKINS, DANIEL J [AG/1920]  
**Sent:** Monday, March 23, 2015 10:10 AM  
**To:** 'goodis.michael@epa.gov'  
**Cc:** 'Keigwin, Richard'; 'Cyrans, Carissa'; 'rowland.jess@epa.gov'; 'anderson.neil@epa.gov'  
**Subject:**

Mike:

Per our phone conversation. We hope EPA will correct mistakes or absences of fact with respect to its record on glyphosate (including the 2013 statement and the AHS study) as it relates to carcinogenicity.

## 2009 EPA Glyphosate Reg Review

Carcinogenicity was not identified as a concern in the work plan  
[http://www.epa.gov/oppsrrd1/registration\\_review/glyphosate/](http://www.epa.gov/oppsrrd1/registration_review/glyphosate/)

**2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013)** Final Rule new tolerances in or on multiple commodities: “EPA has concluded that glyphosate does not pose a cancer risk to humans.”

<http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

“For the herbicide **glyphosate**, there was *limited evidence of carcinogenicity* in humans for non-Hodgkin lymphoma. The evidence in humans is from studies of exposures, mostly agricultural, in the USA, Canada, and Sweden published since 2001. In addition, there is convincing evidence that glyphosate also can cause cancer in laboratory animals. On the basis of tumours in mice, the United States Environmental Protection Agency (US EPA) originally classified glyphosate as *possibly carcinogenic to humans* (Group C) in 1985. After a re-evaluation of that mouse study, the US EPA changed its classification to *evidence of non-carcinogenicity in humans* (Group E) in 1991. The US EPA Scientific Advisory Panel noted that the re-evaluated glyphosate results were still significant using two statistical tests recommended in the IARC Preamble. The IARC Working Group that conducted the evaluation considered the significant findings from the US EPA report and several more recent positive results in concluding that there is *sufficient evidence of carcinogenicity* in experimental animals. Glyphosate also caused DNA and chromosomal damage in human cells, although it gave negative results in tests using bacteria. One study in community residents reported increases in blood markers of chromosomal damage (micronuclei) after glyphosate formulations were sprayed nearby.”

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/abstract](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/abstract)

<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

Thanks,

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**To:** Jordan, William[Jordan.William@epa.gov]  
**From:** Miller, David  
**Sent:** Tue 3/24/2015 4:39:16 PM  
**Subject:** RE: German regulators responding to questions related to glyphosate/cancer  
[Glyphosate D417808 mem.pdf](#)

Thanks.

I've attached our EPA epi review for glyphosate dated 14 February of last year.

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**Sent:** Tuesday, March 24, 2015 12:25 PM  
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FYI

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| Clinton Building           | 2777 Crystal Drive  |
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<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

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U.S. Agency Lead

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Office: 202-383-2851

Cell: 571-732-6575

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**To:** Mclean, Kevin[Mclean.Kevin@epa.gov]; Mitchell, Stacey[Mitchell.Stacey@epa.gov]  
**From:** Perlis, Robert  
**Sent:** Wed 5/4/2016 9:00:43 PM  
**Subject:** RE: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process/Attorney-client

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA

(202) 564-5636

**From:** Mclean, Kevin  
**Sent:** Wednesday, May 04, 2016 4:54 PM  
**To:** Mitchell, Stacey <Mitchell.Stacey@epa.gov>  
**Cc:** Perlis, Robert <Perlis.Robert@epa.gov>  
**Subject:** RE: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

**From:** Mclean, Kevin  
**Sent:** Wednesday, May 04, 2016 4:53 PM  
**To:** Mitchell, Stacey <Mitchell.Stacey@epa.gov>  
**Subject:** RE: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

**From:** Mitchell, Stacey  
**Sent:** Wednesday, May 04, 2016 4:42 PM  
**To:** Mclean, Kevin <[Mclean.Kevin@epa.gov](mailto:Mclean.Kevin@epa.gov)>  
**Subject:** FW: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

Stacey H. Mitchell  
Deputy General Counsel  
U.S. Environmental Protection Agency  
(202) 564-7614

**From:** Harrison, Melissa  
**Sent:** Wednesday, May 04, 2016 4:09 PM  
**To:** Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>  
**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>  
**Subject:** RE: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

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## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## Ex. 5 - Deliberative Process/Attorney-client

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

**From:** Mitchell, Stacey

**Sent:** Wednesday, May 04, 2016 2:11 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>

**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

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Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Dickerson, Tom

**Sent:** Wednesday, May 04, 2016 1:55 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>

**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]

**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Mitchell, Stacey[Mitchell.Stacey@epa.gov]  
**Cc:** Perlis, Robert[Perlis.Robert@epa.gov]  
**From:** Mclean, Kevin  
**Sent:** Wed 5/4/2016 8:54:13 PM  
**Subject:** RE: Letter to Administrator McCarthy

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**Sent:** Wednesday, May 04, 2016 4:53 PM  
**To:** Mitchell, Stacey <Mitchell.Stacey@epa.gov>  
**Subject:** RE: Letter to Administrator McCarthy

**Ex. 5 - Deliberative Process/Attorney-client**

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Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Harrison, Melissa

**Sent:** Wednesday, May 04, 2016 4:09 PM  
**To:** Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>  
**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>  
**Subject:** RE: Letter to Administrator McCarthy

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## **Ex. 5 - Deliberative Process/Attorney-client**

Melissa J. Harrison



Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

**From:** Mitchell, Stacey

**Sent:** Wednesday, May 04, 2016 2:11 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>

**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

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Deputy General Counsel

U.S. Environmental Protection Agency

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**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

# Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]

**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor

<[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Mitchell, Stacey[Mitchell.Stacey@epa.gov]; Distefano, Nichole[DiStefano.Nichole@epa.gov]  
**From:** Harrison, Melissa  
**Sent:** Wed 5/4/2016 8:46:08 PM  
**Subject:** RE: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

**From:** Mitchell, Stacey

**Sent:** Wednesday, May 04, 2016 4:44 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Harrison, Melissa  
<[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>

**Subject:** RE: Letter to Administrator McCarthy

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Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Distefano, Nichole

**Sent:** Wednesday, May 04, 2016 4:14 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>; Mitchell, Stacey  
<[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>

**Subject:** RE: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

Nichole Distefano

Associate Administrator

Office of Congressional and Intergovernmental Relations

Environmental Protection Agency

(202) 564-5200

[Distefano.Nichole@epa.gov](mailto:Distefano.Nichole@epa.gov)

**From:** Harrison, Melissa

**Sent:** Wednesday, May 04, 2016 4:09 PM

**To:** Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>

**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** RE: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

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**From:** Mitchell, Stacey

**Sent:** Wednesday, May 04, 2016 2:11 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>

**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Dickerson, Tom

**Sent:** Wednesday, May 04, 2016 1:55 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>

**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]

**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Mitchell, Stacey[Mitchell.Stacey@epa.gov]  
**Cc:** Distefano, Nichole[DiStefano.Nichole@epa.gov]  
**From:** Harrison, Melissa  
**Sent:** Wed 5/4/2016 8:08:47 PM  
**Subject:** RE: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

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Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

**From:** Mitchell, Stacey  
**Sent:** Wednesday, May 04, 2016 2:11 PM  
**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>  
**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>  
**Subject:** FW: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

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**Sent:** Wednesday, May 04, 2016 1:55 PM  
**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>  
**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>  
**Subject:** FW: Letter to Administrator McCarthy

# Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]  
**Sent:** Wednesday, May 04, 2016 1:33 PM  
**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>  
**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor  
<[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>  
**Subject:** Letter to Administrator McCarthy

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Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman



P: (202) 225-6371

**To:** Harrison, Melissa[Harrison.Melissa@epa.gov]; Distefano, Nichole[DiStefano.Nichole@epa.gov]  
**From:** Mitchell, Stacey  
**Sent:** Wed 5/4/2016 9:03:32 PM  
**Subject:** RE: Letter to Administrator McCarthy

**Ex. 5 - Deliberative Process/Attorney-client**

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Harrison, Melissa  
**Sent:** Wednesday, May 04, 2016 4:46 PM  
**To:** Mitchell, Stacey <Mitchell.Stacey@epa.gov>; Distefano, Nichole <DiStefano.Nichole@epa.gov>  
**Subject:** RE: Letter to Administrator McCarthy

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Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

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**From:** Mitchell, Stacey

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**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Harrison, Melissa  
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U.S. Environmental Protection Agency

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**Subject:** RE: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

Nichole Distefano

Associate Administrator

Office of Congressional and Intergovernmental Relations

Environmental Protection Agency

(202) 564-5200

[Distefano.Nichole@epa.gov](mailto:Distefano.Nichole@epa.gov)

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**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy



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Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

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**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor

<[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

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Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Distefano, Nichole[DiStefano.Nichole@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]  
**From:** Mitchell, Stacey  
**Sent:** Wed 5/4/2016 8:44:21 PM  
**Subject:** RE: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process/Attorney-client

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

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**Subject:** RE: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

## **Ex. 5 - Deliberative Process/Attorney-client**

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

**From:** Mitchell, Stacey

**Sent:** Wednesday, May 04, 2016 2:11 PM

**To:** Harrison, Melissa <[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)>

**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

## **Ex. 5 - Deliberative Process/Attorney-client**

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Dickerson, Tom

**Sent:** Wednesday, May 04, 2016 1:55 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>  
**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>  
**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]  
**Sent:** Wednesday, May 04, 2016 1:33 PM  
**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>  
**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>  
**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe



Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Mclean, Kevin[Mclean.Kevin@epa.gov]  
**From:** Mitchell, Stacey  
**Sent:** Wed 5/4/2016 8:42:21 PM  
**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process/Attorney-client

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Harrison, Melissa  
**Sent:** Wednesday, May 04, 2016 4:09 PM  
**To:** Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>  
**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>  
**Subject:** RE: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process/Attorney-client

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Press Secretary

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[Harrison.Melissa@epa.gov](mailto:Harrison.Melissa@epa.gov)

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**Cc:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

Ex. 5 - Deliberative Process/Attorney-client

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U.S. Environmental Protection Agency

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**Sent:** Wednesday, May 04, 2016 1:55 PM

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**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]

**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Jones, Jim[Jones.Jim@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]  
**From:** Strauss, Linda  
**Sent:** Wed 5/4/2016 8:09:45 PM  
**Subject:** FW: Letter to Administrator McCarthy  
05.04.06 SST Letter to Administrator McCarthy re CARC.pdf

**From:** Perlis, Robert  
**Sent:** Wednesday, May 04, 2016 3:59 PM  
**To:** Strauss, Linda <Strauss.Linda@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** FW: Letter to Administrator McCarthy

FYI – this came in today on the glyphosate CARC paper.

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA

(202) 564-5636

**From:** Mitchell, Stacey  
**Sent:** Wednesday, May 04, 2016 2:12 PM  
**To:** Mclean, Kevin <Mclean.Kevin@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>  
**Cc:** Rackoff, Jonathan <Rackoff.Jonathan@epa.gov>  
**Subject:** FW: Letter to Administrator McCarthy

FYI



Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Dickerson, Tom

**Sent:** Wednesday, May 04, 2016 1:55 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>

**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>

**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]

**Sent:** Wednesday, May 04, 2016 1:33 PM

**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>

**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>

**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Strauss, Linda[Strauss.Linda@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]  
**From:** Perlis, Robert  
**Sent:** Wed 5/4/2016 7:59:25 PM  
**Subject:** FW: Letter to Administrator McCarthy  
05.04.06 SST Letter to Administrator McCarthy re CARC.pdf

FYI – this came in today on the glyphosate CARC paper.

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA

(202) 564-5636

**From:** Mitchell, Stacey  
**Sent:** Wednesday, May 04, 2016 2:12 PM  
**To:** Mclean, Kevin <Mclean.Kevin@epa.gov>; Perlis, Robert <Perlis.Robert@epa.gov>  
**Cc:** Rackoff, Jonathan <Rackoff.Jonathan@epa.gov>  
**Subject:** FW: Letter to Administrator McCarthy

FYI

Stacey H. Mitchell

Deputy General Counsel

U.S. Environmental Protection Agency

(202) 564-7614

**From:** Dickerson, Tom  
**Sent:** Wednesday, May 04, 2016 1:55 PM

**To:** Distefano, Nichole <[DiStefano.Nichole@epa.gov](mailto:DiStefano.Nichole@epa.gov)>; Brown, Tristan <[Brown.Tristan@epa.gov](mailto:Brown.Tristan@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>; Asher, Jonathan <[Asher.Jonathan@epa.gov](mailto:Asher.Jonathan@epa.gov)>; Mitchell, Stacey <[Mitchell.Stacey@epa.gov](mailto:Mitchell.Stacey@epa.gov)>; Rackoff, Jonathan <[Rackoff.Jonathan@epa.gov](mailto:Rackoff.Jonathan@epa.gov)>; Sublett, Stacey <[Sublett.Stacey@epa.gov](mailto:Sublett.Stacey@epa.gov)>  
**Cc:** Moody, Christina <[Moody.Christina@epa.gov](mailto:Moody.Christina@epa.gov)>; Williams, Thea <[Williams.Thea@epa.gov](mailto:Williams.Thea@epa.gov)>  
**Subject:** FW: Letter to Administrator McCarthy

## Ex. 5 - Deliberative Process

Tom Dickerson

Office of Congressional Relations

U.S. Environmental Protection Agency

(202) 564-3638

**From:** Brazauskas, Joseph [<mailto:Joseph.Brazauskas@mail.house.gov>]  
**Sent:** Wednesday, May 04, 2016 1:33 PM  
**To:** Dickerson, Tom <[Dickerson.Tom@epa.gov](mailto:Dickerson.Tom@epa.gov)>; Aarons, Kyle <[Aarons.Kyle@epa.gov](mailto:Aarons.Kyle@epa.gov)>  
**Cc:** Marin, Mark <[Mark.Marin@mail.house.gov](mailto:Mark.Marin@mail.house.gov)>; Jordan, Taylor <[Taylor.Jordan@mail.house.gov](mailto:Taylor.Jordan@mail.house.gov)>; Callen, Ashley <[Ashley.Callen@mail.house.gov](mailto:Ashley.Callen@mail.house.gov)>  
**Subject:** Letter to Administrator McCarthy

Tom,

Please find attached a letter from Chairman Smith to Administrator McCarthy. Please confirm receipt.

Thank you,

Joe

Joseph A. Brazauskas

Senior Counsel

Committee on Science, Space and Technology

Lamar Smith, Chairman

P: (202) 225-6371

**To:** Jones, Jim[Jones.Jim@epa.gov]; Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]  
**From:** Strauss, Linda  
**Sent:** Tue 5/3/2016 8:52:36 PM  
**Subject:** FW: press Q: Glyphosate docket CARC document

**From:** Strauss, Linda  
**Sent:** Tuesday, May 03, 2016 4:40 PM  
**To:** Jones, Jim <Jones.Jim@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** press Q: Glyphosate docket CARC document

## Ex. 5 - Deliberative Process



**To:** Koch, Erin[Koch.Erin@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Tue 5/10/2016 8:19:18 PM  
**Subject:** RE: glyphosate draft response for review

Thanks

**From:** Koch, Erin  
**Sent:** Tuesday, May 10, 2016 4:19 PM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** FW: glyphosate draft response for review

Andrea,

## Ex. 5 - Attorney Client

Erin

**From:** Perlis, Robert  
**Sent:** Tuesday, May 10, 2016 3:19 PM  
**To:** Koch, Erin <Koch.Erin@epa.gov>  
**Subject:** FW: glyphosate draft response for review

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA



(202) 564-5636

**From:** Mojica, Andrea  
**Sent:** Tuesday, May 10, 2016 1:03 PM  
**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>  
**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** RE: glyphosate draft response for review

Attached is an updated draft addressing Jack and Rick's comments.

**From:** Jones, Jim  
**Sent:** Tuesday, May 10, 2016 12:15 PM  
**To:** Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>  
**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** Re: glyphosate draft response for review

Thx Rick. Jim

Sent from my iPhone

On May 10, 2016, at 10:48 AM, Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)> wrote:

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

**From:** Housenger, Jack

**Sent:** Tuesday, May 10, 2016 10:45 AM

**To:** Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>; Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>

**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** RE: glyphosate draft response for review

A few comments

**From:** Mojica, Andrea

**Sent:** Tuesday, May 10, 2016 10:32 AM

**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>

**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** glyphosate draft response for review

All,

Attached is a draft response to Chairman Lamar Smith's (Committee on Science, Space, and Technology) glyphosate inquiry. I have attached in the incoming letter to the Administrator as well. Please let me know if you have any comments by May 12<sup>th</sup>.

Thanks,

Andrea

**To:** Sisco, Debby[Sisco.Debby@epa.gov]  
**Cc:** Dinkins, Darlene[Dinkins.Darlene@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Tue 5/10/2016 5:46:55 PM  
**Subject:** RE: glyphosate draft response for review

Thanks

**From:** Sisco, Debby  
**Sent:** Tuesday, May 10, 2016 1:38 PM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>  
**Cc:** Dinkins, Darlene <Dinkins.Darlene@epa.gov>  
**Subject:** RE: glyphosate draft response for review

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)  
Ethics Officer and Special Assistant to the Director  
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

**From:** Mojica, Andrea  
**Sent:** Tuesday, May 10, 2016 1:03 PM  
**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>  
**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>;  
Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Dinkins,  
Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
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**To:** Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>  
**Cc:** Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>; Mojica, Andrea <[Mojica.andrea@epa.gov](mailto:Mojica.andrea@epa.gov)>;  
Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda  
<[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby  
<[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>  
**Subject:** Re: glyphosate draft response for review

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Sent from my iPhone

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**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** RE: glyphosate draft response for review

A few comments

**From:** Mojica, Andrea

**Sent:** Tuesday, May 10, 2016 10:32 AM

**To:** Jones, Jim <[Jones.Jim@epa.gov](mailto:Jones.Jim@epa.gov)>; Wise, Louise <[Wise.Louise@epa.gov](mailto:Wise.Louise@epa.gov)>; Keigwin, Richard <[Keigwin.Richard@epa.gov](mailto:Keigwin.Richard@epa.gov)>; Perlis, Robert <[Perlis.Robert@epa.gov](mailto:Perlis.Robert@epa.gov)>; Strauss, Linda <[Strauss.Linda@epa.gov](mailto:Strauss.Linda@epa.gov)>; Housenger, Jack <[Housenger.Jack@epa.gov](mailto:Housenger.Jack@epa.gov)>

**Cc:** Dinkins, Darlene <[Dinkins.Darlene@epa.gov](mailto:Dinkins.Darlene@epa.gov)>; Sisco, Debby <[Sisco.Debby@epa.gov](mailto:Sisco.Debby@epa.gov)>

**Subject:** glyphosate draft response for review

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Thanks,

Andrea

**To:** Dunton, Cheryl[Dunton.Cheryl@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Fri 10/16/2015 2:48:48 PM  
**Subject:** RE: FYI EPA protest re glyphosate tomorrow

haha

**From:** Dunton, Cheryl  
**Sent:** Friday, October 16, 2015 10:07 AM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** RE: FYI EPA protest re glyphosate tomorrow

Sorry I'm missing all the excitement. Maybe Jim could bring his stuffed animal bee to the lobby and throw him in the mix. =0)

**From:** Mojica, Andrea  
**Sent:** Friday, October 16, 2015 10:05 AM  
**To:** Dunton, Cheryl <Dunton.Cheryl@epa.gov>  
**Subject:** RE: FYI EPA protest re glyphosate tomorrow

I am not sure, but I am thinking the same as you.

**From:** Dunton, Cheryl  
**Sent:** Friday, October 16, 2015 10:04 AM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** FW: FYI EPA protest re glyphosate tomorrow

Any idea what a bee die-in is? Are these adults dressing up as bees and coming to lay in the lobby?

**From:** Overstreet, Anne  
**Sent:** Friday, October 16, 2015 9:59 AM



**Subject:** FW: FYI EPA protest re glyphosate tomorrow

I am forwarding the information below -

## Ex. 5 - Deliberative Process

Thanks.

Anne Overstreet, Chief  
Communication Services Branch  
Field and External Affairs Division  
Office of Pesticide Programs  
Environmental Protection Agency  
[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)  
(703)308-8068



**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]

**Sent:** Thursday, October 15, 2015 10:32 AM

**To:** Overstreet, Anne <[overstreet.anne@epa.gov](mailto:overstreet.anne@epa.gov)>; Keigwin, Richard

<Keigwin.Richard@epa.gov>; Housenger, Jack <Housenger.Jack@epa.gov>  
**Cc:** NYANGULU, JAMES M [AG/1920] <james.m.nyangulu@monsanto.com>  
**Subject:** FYI EPA protest re glyphosate tomorrow

Just wanted to let you know

Global Healing Center  
by Dr. Edward Group DC, NP, DACBN, DCBCN, DABFM

Join The Food Justice Coalition as we go to D.C. to fight The DARK Act! Friday will be a day of action and Saturday will be The Food Justice Rally with speakers beginning at noon EST until 1:30 p.m.

### **Food Justice Action: 2-Day Schedule of Events**

On Friday, Oct. 16th, Truth in Labeling and Moms Across America are organizing lobbying groups to meet with Senators to lobby for the Genetically Engineered Food Right-to-Know Act. They are also organizing buses with the option for either a round-trip ride or a one-way ride if you stay over for Saturday.

\*\*\*Note that we have moved the narrative march portion of this action to Friday, Oct. 16th.\*\*\*  
We believe we will have far more of an impact doing the narrative march while the locations we are targeting are open for business. There will be a second march following the rally on Saturday.

We ask all participants to meet at Lafayette Park about 3 p.m. EST. We will begin the march at USTR and the Chamber of Commerce. Margaret Flowers and Kevin Zeese will speak about the TPP. Then we'll head to Monsanto to occupy the building while a presentation is given. We are being a bit quiet on specifics as our groups and event pages have been infiltrated by Monsanto shills, but expect some cool visuals. From the Monsanto building, we will head to the EPA (about 5 p.m., as a point of reference). Zen Honeycutt will speak about glyphosate, recent testing and the EPA's lackadaisical attitude towards a solution. We are asking participants to consider dressing as bees so we can do a bee die-in in the lobby of the EPA. After the EPA, we will head to the White House. Please bring a flashlight so you can help us Shine A Light On The DARK Act. We will have the advantage of rush hour traffic at this point and we believe this unique form of protest will have a stunning visual impact! If you can't make it, but still want to contribute, you can [donate here](#).

On Saturday, Oct. 17th, please meet on the West Lawn of the Capitol building for the Food Justice Rally. Our permit begins at 10am and we encourage you to come early and take part in education workshops that MAMNYC is organizing. The rally itself will begin at NOON. Confirmed speakers include Dr. Edward Group, Steven Druker, Anthony Gucciardi, Ronnie

Cummins, Adam Eidinger, Kelly L. Derricks, and Liz Reitzig with other special guests. There will be a large unity march through the streets of D.C. following the rally. \*\*\*Please bring flashlights, signs, and any banners you may have!\*\*\*

### **Why is this Important?**

Monsanto is responsible for tainting our food supply with glyphosate and GMOs. Even worse, Monsanto fights GMO labeling and suppresses your right to know what you're eating.

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**To:** Dunton, Cheryl[Dunton.Cheryl@epa.gov]  
**From:** Mojica, Andrea  
**Sent:** Fri 10/16/2015 2:05:25 PM  
**Subject:** RE: FYI EPA protest re glyphosate tomorrow

I am not sure, but I am thinking the same as you.

**From:** Dunton, Cheryl  
**Sent:** Friday, October 16, 2015 10:04 AM  
**To:** Mojica, Andrea <Mojica.andrea@epa.gov>  
**Subject:** FW: FYI EPA protest re glyphosate tomorrow

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**Cc:** NYANGULU, JAMES M [AG/1920] <[james.m.nyangulu@monsanto.com](mailto:james.m.nyangulu@monsanto.com)>  
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Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]; Blankinship, Amy[Blankinship.Amy@epa.gov]; Hetrick, James[Hetrick.James@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Louie-Juzwiak, Rosanna  
**Sent:** Fri 7/17/2015 2:55:14 PM  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

-Rosanna

**From:** Nguyen, Khue  
**Sent:** Friday, July 17, 2015 10:49 AM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas  
**Subject:** RE: glyphosate--revised PRA date?

Hi Rosanna,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1



Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Thursday, July 16, 2015 11:33 AM  
**To:** Nguyen, Khue; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

Thanks,  
Rosanna

**From:** Nguyen, Khue  
**Sent:** Thursday, July 16, 2015 11:31 AM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

# Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Tuesday, July 14, 2015 5:20 PM  
**To:** Nguyen, Khue; Blankinship, Amy  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

Hi Khue,

# Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

Does this work for you? Let me know if anything further is needed – thanks,

Rosanna

**From:** Nguyen, Khue  
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**Cc:** Moriarty, Thomas  
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Hi all,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

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**To:** Louie-Juzwiak, Rosanna[Louie-Juzwiak.Rosanna@epa.gov]; Blankinship, Amy[Blankinship.Amy@epa.gov]; Hetrick, James[Hetrick.James@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Fri 7/17/2015 2:49:28 PM  
**Subject:** RE: glyphosate--revised PRA date?

Hi Rosanna,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

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Hi all,

## **Ex. 5 - Deliberative Process**

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)



**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]; Blankinship, Amy[Blankinship.Amy@epa.gov]; Hetrick, James[Hetrick.James@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]; Spatz, Dana[Spatz.Dana@epa.gov]  
**From:** Louie-Juzwiak, Rosanna  
**Sent:** Thur 7/16/2015 3:33:12 PM  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

Thanks,  
Rosanna

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**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy; Hetrick, James  
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Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

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**Cc:** Moriarty, Thomas  
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## **Ex. 5 - Deliberative Process**

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Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

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**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]; Spatz, Dana[Spatz.Dana@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Thur 7/16/2015 3:31:10 PM  
**Subject:** RE: glyphosate--revised PRA date?

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Khue Nguyen

Chemical Review Manager

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**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]; Anderson, Neil[Anderson.Neil@epa.gov]  
**From:** JENKINS, DANIEL J [AG/1920]  
**Sent:** Tue 4/5/2016 6:53:10 PM  
**Subject:** Re: glyphosate meeting--conference line

5

Dan Jenkins  
US Agency Lead  
Monsanto Company  
202.383.2851 office  
571.732.6575 cell

On Apr 5, 2016, at 1:55 PM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

Dan, how many of you are there? We are wondering if we need a bigger room. We'll set up a projector, as requested.

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]  
**Sent:** Tuesday, April 05, 2016 12:41 PM  
**To:** Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)>  
**Cc:** Moriarty, Thomas <[Moriarty.Thomas@epa.gov](mailto:Moriarty.Thomas@epa.gov)>; Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>  
**Subject:** Re: glyphosate meeting--conference line

Hi Khue:

We won't have anyone calling it in but we will need a projector please.

Thank you,

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571.732.6575 cell

On Apr 5, 2016, at 10:37 AM, Nguyen, Khue <[Nguyen.Khue@epa.gov](mailto:Nguyen.Khue@epa.gov)> wrote:

Hi Dan,

I just realized that I neglected to forward call in information for the glyphosate meeting today. For those of your colleagues who are unable to attend but want to call in, here is the dial in info:

Dial in num: **Ex. 6 - Personal Privacy**

Conference code: **Ex. 6 - Personal Privacy**

Thanks,

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Chemical Review Manager



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Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

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[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

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**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]; Anderson, Neil[Anderson.Neil@epa.gov]  
**From:** JENKINS, DANIEL J [AG/1920]  
**Sent:** Tue 4/5/2016 4:40:59 PM  
**Subject:** Re: glyphosate meeting--conference line

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[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

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**To:** Louie-Juzwiak, Rosanna[Louie-Juzwiak.Rosanna@epa.gov]; Blankinship, Amy[Blankinship.Amy@epa.gov]; Hetrick, James[Hetrick.James@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Tue 9/1/2015 9:00:50 PM  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

Thanks!

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

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## Ex. 5 - Deliberative Process

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**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Tuesday, July 14, 2015 5:20 PM  
**To:** Nguyen, Khue; Blankinship, Amy  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

Hi Khue,

## Ex. 5 - Deliberative Process

Does this work for you? Let me know if anything further is needed – thanks,

Rosanna

**From:** Nguyen, Khue  
**Sent:** Tuesday, July 14, 2015 5:14 PM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy  
**Cc:** Moriarty, Thomas  
**Subject:** glyphosate--revised PRA date?

Hi all,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**To:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Wed 8/12/2015 9:35:39 PM  
**Subject:** FW: glyphosate--revised PRA date?

Tom—your thoughts?

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Friday, July 17, 2015 10:55 AM  
**To:** Nguyen, Khue; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

-Rosanna

**From:** Nguyen, Khue  
**Sent:** Friday, July 17, 2015 10:49 AM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy; Hetrick, James

**Cc:** Moriarty, Thomas  
**Subject:** RE: glyphosate--revised PRA date?

Hi Rosanna,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Thursday, July 16, 2015 11:33 AM  
**To:** Nguyen, Khue; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

Thanks,  
Rosanna

**From:** Nguyen, Khue  
**Sent:** Thursday, July 16, 2015 11:31 AM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy; Hetrick, James  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Louie-Juzwiak, Rosanna  
**Sent:** Tuesday, July 14, 2015 5:20 PM  
**To:** Nguyen, Khue; Blankinship, Amy  
**Cc:** Moriarty, Thomas; Spatz, Dana  
**Subject:** RE: glyphosate--revised PRA date?

Hi Khue,

## Ex. 5 - Deliberative Process

Does this work for you? Let me know if anything further is needed – thanks,

Rosanna

**From:** Nguyen, Khue  
**Sent:** Tuesday, July 14, 2015 5:14 PM  
**To:** Louie-Juzwiak, Rosanna; Blankinship, Amy  
**Cc:** Moriarty, Thomas  
**Subject:** glyphosate--revised PRA date?

Hi all,

## **Ex. 5 - Deliberative Process**

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)



**To:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Thur 6/25/2015 1:12:06 PM  
**Subject:** FW: glyphosate milk presentation

## Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]  
**Sent:** Thursday, June 25, 2015 8:41 AM  
**To:** Nguyen, Khue  
**Subject:** glyphosate milk presentation

Hi Khue:

Dr McGuirre will be presenting her research at the following conference in a few weeks:  
<http://www.faseb.org/SRC-HuMilk/Home.aspx>

Just wanted to give EPA a heads up if you wanted to attend or talk to Dr McGuirre, get her slides, etc.

Dan Jenkins  
U.S. Agency Lead

Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

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**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]  
**Cc:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]; Anderson, Neil[Anderson.Neil@epa.gov]  
**From:** JENKINS, DANIEL J [AG/1920]  
**Sent:** Thur 6/4/2015 6:57:46 PM  
**Subject:** RE: Monsanto glyphosate meeting-sign in sheet

Thanks!

Dan Jenkins  
U.S. Agency Lead  
Regulatory Affairs  
Monsanto Company  
1300 I St., NW  
Suite 450 East  
Washington, DC 20005  
Office: 202-383-2851  
Cell: 571-732-6575

-----Original Message-----

From: Nguyen, Khue [mailto:Nguyen.Khue@epa.gov]  
Sent: Thursday, June 04, 2015 2:48 PM  
To: JENKINS, DANIEL J [AG/1920]  
Cc: Moriarty, Thomas; Anderson, Neil  
Subject: RE: Monsanto glyphosate meeting-sign in sheet

Hi Dan,

As requested, here is the sign in sheet from the meeting today.

Thanks,

Khue Nguyen  
Chemical Review Manager  
Risk Management and Implementation Branch 1 Pesticide Re-evaluation Division Office of Pesticide Programs, EPA  
703-347-0248  
Nguyen.khue@epa.gov

-----Original Message-----

From: JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]  
Sent: Thursday, June 04, 2015 12:51 PM  
To: Nguyen, Khue  
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]  
Subject: Re: Monsanto glyphosate meeting request

Hi

We're in the lobby

Dan Jenkins  
US Agency Lead  
Monsanto Company  
202.383.2851 office

571.732.6575 cell

> On Jun 1, 2015, at 11:32 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

>

> Hi Dan,

>

> Please use the following call in information:

> Dial in num: Ex. 6 - Personal Privacy

> Conference code: Ex. 6 - Personal Privacy

>

> Is this for your colleagues? I thought you were attending in person?

>

> Thanks,

>

> Khue Nguyen

> Chemical Review Manager

> Risk Management and Implementation Branch 1 Pesticide Re-evaluation

> Division Office of Pesticide Programs, EPA

> 703-347-0248

> Nguyen.khue@epa.gov

>

> -----Original Message-----

> From: JENKINS, DANIEL J [AG/1920]

> [mailto:daniel.j.jenkins@monsanto.com]

> Sent: Monday, June 01, 2015 11:30 AM

> To: Nguyen, Khue

> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;

> NYANGULU, JAMES M [AG/1920]

> Subject: Re: Monsanto glyphosate meeting request

>

> Hi Khue

>

> Can we get a call in number for this Thursday?

>

> Thanks

>

> Dan Jenkins

> US Agency Lead

> Monsanto Company

> 202.383.2851 office

> 571.732.6575 cell

>

>> On May 19, 2015, at 6:26 PM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

>>

>> Hi Dan,

>>

>> June 4th 1-2 pm will work better for us (PRD). We are not sure we will be able to say much more about Monsanto's paired urine/human milk test results other than what Thuy Nguyen of BEAD has already told you. If your goal is to have a higher level, broader discussion concerning registration review, we will be able to do that, but unfortunately, we will not be able to discuss the minor details of endangered species analysis, as that process is currently being worked out with the pilot chemicals (diazinon, malathion, and chlorpyrifos).

>>

>> Let me know if that will work.

>>

>> Thanks,

>>  
>> Khue Nguyen  
>> Chemical Review Manager  
>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation  
>> Division Office of Pesticide Programs, EPA  
>> 703-347-0248  
>> Nguyen.khue@epa.gov  
>>  
>> -----Original Message-----  
>> From: JENKINS, DANIEL J [AG/1920]  
>> [mailto:daniel.j.jenkins@monsanto.com]  
>> Sent: Tuesday, May 19, 2015 8:50 AM  
>> To: Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;  
>> NYANGULU, JAMES M [AG/1920]  
>> Subject: RE: Monsanto glyphosate meeting request  
>>  
>> Hi Khue:  
>>  
>> How does the 3rd or 4th look?  
>>  
>> Dan Jenkins  
>> U.S. Agency Lead  
>> Regulatory Affairs  
>> Monsanto Company  
>> 1300 I St., NW  
>> Suite 450 East  
>> Washington, DC 20005  
>> Office: 202-383-2851  
>> Cell: 571-732-6575  
>>  
>>  
>>  
>>  
>> -----Original Message-----  
>> From: JENKINS, DANIEL J [AG/1920]  
>> Sent: Monday, May 18, 2015 8:20 AM  
>> To: JENKINS, DANIEL J [AG/1920]; Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;  
>> NYANGULU, JAMES M [AG/1920]  
>> Subject: RE: Monsanto glyphosate meeting request  
>>  
>> Copying James Nyangulu  
>>  
>> Dan Jenkins  
>> U.S. Agency Lead  
>> Regulatory Affairs  
>> Monsanto Company  
>> 1300 I St., NW  
>> Suite 450 East  
>> Washington, DC 20005  
>> Office: 202-383-2851  
>> Cell: 571-732-6575  
>>  
>>  
>>

>> -----Original Message-----  
>> From: JENKINS, DANIEL J [AG/1920]  
>> Sent: Friday, May 15, 2015 10:16 AM  
>> To: Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas  
>> Subject: Re: Monsanto glyphosate meeting request  
>>  
>> Hi Khue  
>>  
>> We'd like to discuss:  
>>  
>> Our final paired urine/human milk test results  
>>  
>> Endangered species analysis  
>>  
>> Monarchs  
>>  
>> WRM proposals for glyphosate  
>>  
>> Comment period timing  
>>  
>> Thanks,  
>>  
>> Dan Jenkins  
>> US Agency Lead  
>> Monsanto Company  
>> 202.383.2851 office  
>> 571.732.6575 cell  
>>  
>>> On May 11, 2015, at 11:46 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:  
>>>  
>>> Hi Dan,  
>>>  
>>> EPA is not opposed to meeting to discuss glyphosate if you wish. In order to ensure a productive meeting, do you have a list of questions/discussion topics for us? We might be able to answer some questions via email just off-hand.  
>>>  
>>> Thanks,  
>>>  
>>> Khue Nguyen  
>>> Chemical Review Manager  
>>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation  
>>> Division Office of Pesticide Programs, EPA  
>>> 703-347-0248  
>>> Nguyen.khue@epa.gov  
>>>  
>>> -----Original Message-----  
>>> From: JENKINS, DANIEL J [AG/1920]  
>>> [mailto:daniel.j.jenkins@monsanto.com]  
>>> Sent: Monday, May 11, 2015 11:37 AM  
>>> To: Nguyen, Khue  
>>> Cc: LISTELLO, JENNIFER J [AG/1000]  
>>> Subject: Monsanto glyphosate meeting request  
>>>  
>>> Hi Khue:  
>>>

>>> Can we get an hour meeting w PRD re glyphosate reg review the first week of June please? Also, please direct all correspondence directly to me for Monsanto specific topics/meetings and I'll make sure we get back to you ASAP.

>>>

>>> Thanks

>>>

>>> Thank you

>>>

>>> Dan Jenkins

>>> US Agency Lead

>>> Monsanto Company

>>> 202.383.2851 office

>>> 571.732.6575 cell

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**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]  
**Cc:** LISTELLO, JENNIFER J [AG/1000][jennifer.j.listello@monsanto.com]; Anderson, Neil[Anderson.Neil@epa.gov]; Moriarty, Thomas[Moriarty.Thomas@epa.gov]; NYANGULU, JAMES M [AG/1920][james.m.nyangulu@monsanto.com]  
**From:** JENKINS, DANIEL J [AG/1920]  
**Sent:** Thur 6/4/2015 4:50:36 PM  
**Subject:** Re: Monsanto glyphosate meeting request

Hi

We're in the lobby

Dan Jenkins  
US Agency Lead  
Monsanto Company  
202.383.2851 office  
571.732.6575 cell

> On Jun 1, 2015, at 11:32 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

>

> Hi Dan,

>

> Please use the following call in information:

> Dial in num: Ex. 6 - Personal Privacy

> Conference code: Ex. 6 - Personal Privacy

>

> Is this for your colleagues? I thought you were attending in person?

>

> Thanks,

>

> Khue Nguyen

> Chemical Review Manager

> Risk Management and Implementation Branch 1

> Pesticide Re-evaluation Division

> Office of Pesticide Programs, EPA

> 703-347-0248

> Nguyen.khue@epa.gov

>

> -----Original Message-----

> From: JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]

> Sent: Monday, June 01, 2015 11:30 AM

> To: Nguyen, Khue

> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]

> Subject: Re: Monsanto glyphosate meeting request

>

> Hi Khue

>

> Can we get a call in number for this Thursday?

>

> Thanks

>

> Dan Jenkins

> US Agency Lead

> Monsanto Company

> 202.383.2851 office

> 571.732.6575 cell  
>  
>> On May 19, 2015, at 6:26 PM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:  
>>  
>> Hi Dan,  
>>  
>> June 4th 1-2 pm will work better for us (PRD). We are not sure we will be able to say much more about Monsanto's paired urine/human milk test results other than what Thuy Nguyen of BEAD has already told you. If your goal is to have a higher level, broader discussion concerning registration review, we will be able to do that, but unfortunately, we will not be able to discuss the minor details of endangered species analysis, as that process is currently being worked out with the pilot chemicals (diazinon, malathion, and chlorpyrifos).  
>>  
>> Let me know if that will work.  
>>  
>> Thanks,  
>>  
>> Khue Nguyen  
>> Chemical Review Manager  
>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation  
>> Division Office of Pesticide Programs, EPA  
>> 703-347-0248  
>> Nguyen.khue@epa.gov  
>>  
>> -----Original Message-----  
>> From: JENKINS, DANIEL J [AG/1920]  
>> [mailto:daniel.j.jenkins@monsanto.com]  
>> Sent: Tuesday, May 19, 2015 8:50 AM  
>> To: Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;  
>> NYANGULU, JAMES M [AG/1920]  
>> Subject: RE: Monsanto glyphosate meeting request  
>>  
>> Hi Khue:  
>>  
>> How does the 3rd or 4th look?  
>>  
>> Dan Jenkins  
>> U.S. Agency Lead  
>> Regulatory Affairs  
>> Monsanto Company  
>> 1300 I St., NW  
>> Suite 450 East  
>> Washington, DC 20005  
>> Office: 202-383-2851  
>> Cell: 571-732-6575  
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>> Sent: Monday, May 18, 2015 8:20 AM  
>> To: JENKINS, DANIEL J [AG/1920]; Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;  
>> NYANGULU, JAMES M [AG/1920]

>> Subject: RE: Monsanto glyphosate meeting request  
>>  
>> Copying James Nyangulu  
>>  
>> Dan Jenkins  
>> U.S. Agency Lead  
>> Regulatory Affairs  
>> Monsanto Company  
>> 1300 I St., NW  
>> Suite 450 East  
>> Washington, DC 20005  
>> Office: 202-383-2851  
>> Cell: 571-732-6575  
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>> -----Original Message-----  
>> From: JENKINS, DANIEL J [AG/1920]  
>> Sent: Friday, May 15, 2015 10:16 AM  
>> To: Nguyen, Khue  
>> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas  
>> Subject: Re: Monsanto glyphosate meeting request  
>>  
>> Hi Khue  
>>  
>> We'd like to discuss:  
>>  
>> Our final paired urine/human milk test results  
>>  
>> Endangered species analysis  
>>  
>> Monarchs  
>>  
>> WRM proposals for glyphosate  
>>  
>> Comment period timing  
>>  
>> Thanks,  
>>  
>> Dan Jenkins  
>> US Agency Lead  
>> Monsanto Company  
>> 202.383.2851 office  
>> 571.732.6575 cell  
>>  
>>> On May 11, 2015, at 11:46 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:  
>>>  
>>> Hi Dan,  
>>>  
>>> EPA is not opposed to meeting to discuss glyphosate if you wish. In order to ensure a productive meeting, do you have a list of questions/discussion topics for us? We might be able to answer some questions via email just off-hand.  
>>>  
>>> Thanks,  
>>>  
>>> Khue Nguyen

>>> Chemical Review Manager  
>>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation  
>>> Division Office of Pesticide Programs, EPA  
>>> 703-347-0248  
>>> Nguyen.khue@epa.gov  
>>>

>>> -----Original Message-----

>>> From: JENKINS, DANIEL J [AG/1920]  
>>> [mailto:daniel.j.jenkins@monsanto.com]  
>>> Sent: Monday, May 11, 2015 11:37 AM  
>>> To: Nguyen, Khue  
>>> Cc: LISTELLO, JENNIFER J [AG/1000]  
>>> Subject: Monsanto glyphosate meeting request  
>>>

>>> Hi Khue:

>>>

>>> Can we get an hour meeting w PRD re glyphosate reg review the first week of June please? Also, please direct all correspondence directly to me for Monsanto specific topics/meetings and I'll make sure we get back to you ASAP.

>>>

>>> Thanks

>>>

>>> Thank you

>>>

>>> Dan Jenkins

>>> US Agency Lead

>>> Monsanto Company

>>> 202.383.2851 office

>>> 571.732.6575 cell

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**To:** Moriarty, Thomas[Moriarty.Thomas@epa.gov]  
**From:** Nguyen, Khue  
**Sent:** Wed 4/29/2015 10:02:18 PM  
**Subject:** FW: Glyphosate method

## Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Nguyen, Thuy  
**Sent:** Wednesday, April 29, 2015 1:59 PM  
**To:** Nguyen, Khue  
**Cc:** Miller, Wynne; Anderson, Neil  
**Subject:** FW: Glyphosate method

Hi Khue

As indicated in the forwarded e-mail, I sent Monsanto the DuPont method for the analysis of glyphosate in cow's milk. Also, during my conversation with Monsanto, I mentioned that we (ACB) were unable to validate their method. Monsanto requested to meet and discuss our findings with them.

## Ex. 5 - Deliberative Process

## Ex. 5 - Deliberative Process

Thanks

Thuy

**From:** WUJCIK, CHAD E [AG/1000] [<mailto:chad.e.wujcik@monsanto.com>]

**Sent:** Friday, April 24, 2015 2:36 PM

**To:** Nguyen, Thuy

**Subject:** RE: Glyphosate method

Hi Thuy,

Thank you for providing the method for us to review. I was hoping that you and maybe some of your technical staff that are working on running our method would be available early next week for a teleconference or WebEx to see if we can help identify the reason for the recoveries you described. Let me know what time and day works best for you and your team.

Thank you,

Chad

Chad E. Wujcik, Ph.D.

Lead - Residue and Analytical Chemistry Team

Environmental Sciences and Technology Center

Monsanto Company

Office Number: (314) 694-8199

**From:** Nguyen, Thuy [mailto:Nguyen.Thuy@epa.gov]  
**Sent:** Thursday, April 23, 2015 9:04 AM  
**To:** WUJCIK, CHAD E [AG/1000]  
**Subject:** Glyphosate method

Hi Chad

As requested, here is a copy of the method that we use for the analysis of Glyphosate in human milk.

Let me know if you have question

Regards

Thuy

\*\*\*\*\*

Thuy L. Nguyen, Branch Chief  
Analytical Chemistry Branch  
USEPA/OPP/Biological Economic Analysis Division (7503P)  
Environmental Science Center  
701 Mapes Road  
Ft Meade, Maryland 20755-5350  
Phone: 410-305-2905  
Fax: 410-305-3091

*"When it is obvious that the goals cannot be reached, don't adjust the goals, adjust the action steps" - Confucius*

This e-mail message may contain privileged and/or confidential information, and is intended to be received only by persons entitled to receive such information. If you have received this e-mail in error, please notify the sender immediately. Please delete it and all attachments from any servers, hard drives or any other media. Other use of this e-mail by you is strictly prohibited. All e-mails and attachments sent and received are subject to monitoring, reading and archival by Monsanto, including its subsidiaries. The recipient of this e-mail is solely responsible for checking for the presence of "Viruses" or other "Malware". Monsanto, along with its subsidiaries, accepts no liability for any damage caused by any such code transmitted by or accompanying this e-mail or any attachment. The information contained in this



email may be subject to the export control laws and regulations of the United States, potentially including but not limited to the Export Administration Regulations (EAR) and sanctions regulations issued by the U.S. Department of Treasury, Office of Foreign Asset Controls (OFAC). As a recipient of this information you are obligated to comply with all applicable U.S. export laws and regulations.

**To:** Nguyen, Khue[Nguyen.Khue@epa.gov]  
**From:** Moriarty, Thomas  
**Sent:** Fri 7/17/2015 12:12:11 PM  
**Subject:** RE: Updating the Access Database

You're the best!

**From:** Nguyen, Khue  
**Sent:** Thursday, July 16, 2015 4:54 PM  
**To:** Anderson, Neil; Moriarty, Thomas  
**Subject:** RE: Updating the Access Database

Neil and Tom,

## Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

[Nguyen.khue@epa.gov](mailto:Nguyen.khue@epa.gov)

**From:** Anderson, Neil

**Sent:** Thursday, July 16, 2015 4:13 PM

**To:** Moriarty, Thomas

**Cc:** Ballard, Kelly; Parker, James; Jones, Ricardo; Newcamp, Caitlin; Nguyen, Khue; Motilall, Christina

**Subject:** RE: Updating the Access Database

Tom – thanks for pulling this together and highlighting the various items for folks to confirm.

Everyone Else – please let Tom and I know how you have addressed the various issues below and what notes/changes you have made in the Access d-base. It's ok if you are still waiting for confirmation from team members on some items, we just want to be aware of progress being made.

Thanks,

Neil

**From:** Moriarty, Thomas

**Sent:** Tuesday, July 14, 2015 3:46 PM

**To:** Anderson, Neil

**Cc:** Ballard, Kelly; Parker, James; Jones, Ricardo; Christina Motilall; Newcamp, Caitlin; Nguyen, Khue

**Subject:** Updating the Access Database

Neil,

All, below are the needed updates for our Q4 PRAs. Please let me/Neil know when these changes/updates have been completed.

**Chemical** **Updating**

## **Ex. 5 - Deliberative Process**

## **Ex. 5 - Deliberative Process**

**To:** Morton, Thurston[Morton.Thurston@epa.gov]  
**From:** Tyler, Jennifer-R  
**Sent:** Wed 9/16/2015 4:06:06 PM  
**Subject:** RE: RAB1 Branch Meeting Move - Again

I reviewed the cyproconazole scoping document, so George should have my comments – only minor ones. Please tell Bill congrats for me!!!!

~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Jennifer R. Tyler  
Risk Assessment Branch 1  
Health Effects Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
PY: (703) 305-5564

RTP: (919) 541-5314  
tyler.jennifer-r@epa.gov

**From:** Morton, Thurston  
**Sent:** Wednesday, September 16, 2015 12:05 PM  
**To:** Tyler, Jennifer-R  
**Subject:** RE: RAB1 Branch Meeting Move - Again

No problem Jen! We are going over cyproconazole scoping and I am handing over the Lights to Bill.

**From:** Tyler, Jennifer-R  
**Sent:** Wednesday, September 16, 2015 11:57 AM  
**To:** Morton, Thurston  
**Subject:** RE: RAB1 Branch Meeting Move - Again

Hey Thurston,

I won't be able to call in after all.

Ex. 6 - Personal Privacy

## Ex. 6 - Personal Privacy

Monday – 5 hours

Tuesday – 5 hours

Wednesday – 5 hours

Thursday – 5 hours

My usual hours are

Monday – 8 hours

Wednesday – 8 hours

Thursday – 4 hours

I may need to officially change my hours. Sorry for the trouble.

-Jen

My badge officially works AND I just figured out how to get printing capabilities!!! Yeah for small victories!!!

~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Jennifer R. Tyler  
Risk Assessment Branch 1  
Health Effects Division

Office of Pesticide Programs  
U.S. Environmental Protection Agency  
PY: (703) 305-5564

RTP: (919) 541-5314  
[tyler.jennifer-r@epa.gov](mailto:tyler.jennifer-r@epa.gov)

**From:** Morton, Thurston  
**Sent:** Wednesday, September 16, 2015 11:52 AM  
**To:** OPP HED RAB1  
**Subject:** RAB1 Branch Meeting Move - Again

Due to the Glyphosate CARC taking longer than I anticipated along with the Chloropicrin meeting I am moving the branch meeting to 3pm. I will be leaving at 3:30 so hopefully we can get everything accomplished.

Sorry for the second time move.



**To:** Morton, Thurston[Morton.Thurston@epa.gov]  
**From:** Tyler, Jennifer-R  
**Sent:** Wed 9/16/2015 3:57:21 PM  
**Subject:** RE: RAB1 Branch Meeting Move - Again

Hey Thurston,

I won't be able to call in after all.

**Ex. 6 - Personal Privacy**

**Ex. 6 - Personal Privacy**

Monday – 5 hours

Tuesday – 5 hours

Wednesday – 5 hours

Thursday – 5 hours

My usual hours are

Monday – 8 hours

Wednesday – 8 hours

Thursday – 4 hours

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small victories!!!

~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~\*~~~~

Jennifer R. Tyler
Risk Assessment Branch 1
Health Effects Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
PY: (703) 305-5564

RTP: (919) 541-5314
tyler.jennifer-r@epa.gov

From: Morton, Thurston
Sent: Wednesday, September 16, 2015 11:52 AM
To: OPP HED RAB1
Subject: RAB1 Branch Meeting Move - Again

Due to the Glyphosate CARC taking longer than I anticipated along with the Chloropicrin meeting I am moving the branch meeting to 3pm. I will be leaving at 3:30 so hopefully we can get everything accomplished.

Sorry for the second time move.

To: Morton, Thurston[Morton.Thurston@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]
From: Vogel, Dana
Sent: Tue 9/8/2015 12:43:03 PM
Subject: Fwd: GLY
[Prof Ivan Rusyn_EN.pdf](#)
[ATT00001.htm](#)
[Catalogue of Questions - Fragenkatalog Öffentliche Anhörung_EN.pdf](#)
[ATT00002.htm](#)

Dana Vogel
Sent from my iPhone

Begin forwarded message:

From: "Housenger, Jack" <Housenger.Jack@epa.gov>
Date: September 8, 2015 at 7:27:14 AM EDT
To: "Rowland, Jess" <Rowland.Jess@epa.gov>, "Vogel, Dana" <Vogel.Dana@epa.gov>, "Lowit, Anna" <Lowit.Anna@epa.gov>
Subject: FW: GLY

See the note from Ivan below

Ex. 5 - Deliberative Process

From: Rusyn, Ivan [<mailto:IRusyn@cvm.tamu.edu>]
Sent: Monday, September 07, 2015 3:58 PM
To: Housenger, Jack
Cc: Dix, David
Subject: GLY

Dear Jack,

I hope you had a good summer and had a chance to look through the IARC monograph on glyphosate. Do let me know if there are any questions that you or your staff may have.

As you may know, there is quite a debate in Europe surrounding the BfR draft assessment report on glyphosate renewal. I was asked to appear at the hearings in Bundestag on September 28 (see attached invitation and a list of questions; I did submit answers and they will be part of the public record after the hearing) and I am trying to catch up on where the government action is on this. I recall Jim Jones saying in an interview published by Reuters that EPA will release its re-assessment in July. Please let me know if that did in fact happen, or whether you have another date.

Also, you may be interested to know that a JMPR Expert Taskforce on Diazinon, Glyphosate and Malathion (http://www.who.int/entity/foodsafety/areas_work/chemical-risks/etc_final_new_1.pdf?ua=1) conclusions should be released very soon as the group finalized them last week.

Thank you and best regards,

Ivan

Ivan Rusyn, MD, PhD

Professor, Veterinary Integrative Biosciences
Texas A&M University

4458 TAMU

College Station, TX 77843-4458

Office: (979) 458-9866; Cell: (919) 624-2272

[PubMed citations](#)

[Google Scholar page](#)

<http://rusynlab.org>

<http://comptox.us>

To: Perron, Monique[Perron.Monique@epa.gov]
Cc: Morton, Thurston[Morton.Thurston@epa.gov]; Moriarty, Thomas[Moriarty.Thomas@epa.gov]
From: Nguyen, Khue
Sent: Thur 7/16/2015 2:42:37 PM
Subject: RE: glyphosate date for revised PRA

Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Rowland, Jess
Sent: Tuesday, July 14, 2015 9:27 PM
To: Perron, Monique
Cc: Morton, Thurston; Nguyen, Khue
Subject: RE: glyphosate date for revised PRA

MoniPoni!!

Ex. 5 - Deliberative Process

JR

Sent from my Windows Phone

From: [Perron, Monique](#)
Sent: 7/14/2015 4:26 PM
To: [Rowland, Jess](#)
Cc: [Morton, Thurston](#)

Subject: FW: glyphosate date for revised PRA

Jess,

Ex. 5 - Deliberative Process

Thank you,

Monique

From: Nguyen, Khue

Sent: Tuesday, July 14, 2015 4:02 PM

To: Morton, Thurston; VanAlstine, Julie; Perron, Monique

Cc: Moriarty, Thomas

Subject: glyphosate date for revised PRA

Hi all,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

To: Perron, Monique[Perron.Monique@epa.gov]
Cc: Morton, Thurston[Morton.Thurston@epa.gov]; Nguyen, Khue[Nguyen.Khue@epa.gov]
From: Rowland, Jess
Sent: Wed 7/15/2015 1:26:55 AM
Subject: RE: glyphosate date for revised PRA

MoniPoni!!

Ex. 5 - Deliberative Process

JR

Sent from my Windows Phone

From: Perron, Monique
Sent: 7/14/2015 4:26 PM
To: Rowland, Jess
Cc: Morton, Thurston
Subject: FW: glyphosate date for revised PRA

Jess,

Ex. 5 - Deliberative Process

Thank you,

Monique

From: Nguyen, Khue
Sent: Tuesday, July 14, 2015 4:02 PM
To: Morton, Thurston; VanAlstine, Julie; Perron, Monique
Cc: Moriarty, Thomas
Subject: glyphosate date for revised PRA

Hi all,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

To: Rowland, Jess[Rowland.Jess@epa.gov]
Cc: Morton, Thurston[Morton.Thurston@epa.gov]
From: Perron, Monique
Sent: Tue 7/14/2015 8:26:56 PM
Subject: FW: glyphosate date for revised PRA

Jess,

Ex. 5 - Deliberative Process

Thank you,

Monique

From: Nguyen, Khue
Sent: Tuesday, July 14, 2015 4:02 PM
To: Morton, Thurston; VanAlstine, Julie; Perron, Monique
Cc: Moriarty, Thomas
Subject: glyphosate date for revised PRA

Hi all,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

To: Morton, Thurston[Morton.Thurston@epa.gov]
From: Rowland, Jess
Sent: Fri 6/12/2015 2:31:15 AM
Subject: RE: Delegation

Hey Thurston

I wanted to connect with you but ran out of time. I want to let you know that we have to take Glyphosate to CARC in September, get the PRA in November and take it to the SAP early next year. We can work out the details after you get back. Have a safe and enjoyable vacation.
JR

Sent from my Windows Phone

From: Morton, Thurston
Sent: 6/11/2015 12:53 PM
To: OPP HED Managers
Cc: OPP HED RAB1
Subject: Delegation

I will be on annual leave for the next 2 weeks. Following are the delegations:

Friday 6/12 I am compressed and no one from RAB1 is in. You can contact me at Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Monday 6/15 Josh Godshall

Tuesday-Thursday 6/16 -6-18 George Kramer

Friday 6/19 and Monday 6/22 Monique Perron

Tuesday-Thursday 6/23 to 6/25 Cassi Walls

Friday 6/26 I am compressed and no one from RAB1 is in. You can contact me at Ex. 6 - Personal Privacy

Thanks

Thurston

To: Bloem, Thomas[Bloem.Thomas@epa.gov]
From: Morton, Thurston
Sent: Tue 9/29/2015 11:34:54 AM
Subject: FW: glyphosate

So it looks like we will not be finalizing this week.

From: Keigwin, Richard
Sent: Tuesday, September 29, 2015 6:28 AM
To: Rowland, Jess
Cc: Morton, Thurston; Anderson, Neil
Subject: RE: glyphosate

Why are you sending emails at 3:21AM?!!

Ex. 5 - Deliberative Process

From: Rowland, Jess
Sent: Tuesday, September 29, 2015 3:21 AM
To: Keigwin, Richard
Cc: Morton, Thurston
Subject: glyphosate
Importance: High

Hi Rick

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Smith, Paula [Ex. 6 - Personal Privacy]
From: Morton, Thurston
Sent: Wed 9/16/2015 4:39:44 PM
Subject: Hello Sweetie

[Ex. 6 - Personal Privacy] Glyphosate CARC is starting back up.
Already 3 hrs. [Ex. 6 - Personal Privacy]

To: Tyler, Jennifer-R[Tyler.Jennifer-R@epa.gov]
From: Morton, Thurston
Sent: Wed 9/16/2015 4:15:08 PM
Subject: RE: RAB1 Branch Meeting Move - Again

Thanks Jen and I will!

From: Tyler, Jennifer-R
Sent: Wednesday, September 16, 2015 12:06 PM
To: Morton, Thurston
Subject: RE: RAB1 Branch Meeting Move - Again

I reviewed the cyproconazole scoping document, so George should have my comments – only minor ones. Please tell Bill congrats for me!!!!

~*~*~*~*~*~*~*~*~*~*~*~*~*

Jennifer R. Tyler
Risk Assessment Branch 1
Health Effects Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
PY: (703) 305-5564

RTP: (919) 541-5314
tyler.jennifer-r@epa.gov

From: Morton, Thurston
Sent: Wednesday, September 16, 2015 12:05 PM
To: Tyler, Jennifer-R
Subject: RE: RAB1 Branch Meeting Move - Again

No problem Jen! We are going over cyproconazole scoping and I am handing over the Lights to Bill.

From: Tyler, Jennifer-R
Sent: Wednesday, September 16, 2015 11:57 AM
To: Morton, Thurston
Subject: RE: RAB1 Branch Meeting Move - Again

Hey Thurston,

I won't be able to call in after all.

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Monday – 5 hours

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My usual hours are

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I may need to officially change my hours. Sorry for the trouble.

-Jen

My badge officially works AND I just figured out how to get printing capabilities!!! Yeah for small victories!!!

~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*

Jennifer R. Tyler
Risk Assessment Branch 1
Health Effects Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
PY: (703) 305-5564

RTP: (919) 541-5314
tyler.jennifer-r@epa.gov

From: Morton, Thurston
Sent: Wednesday, September 16, 2015 11:52 AM
To: OPP HED RAB1
Subject: RAB1 Branch Meeting Move - Again

Due to the Glyphosate CARC taking longer than I anticipated along with the Chloropicrin meeting I am moving the branch meeting to 3pm. I will be leaving at 3:30 so hopefully we can get everything accomplished.

Sorry for the second time move.

To: Tyler, Jennifer-R[Tyler.Jennifer-R@epa.gov]
From: Morton, Thurston
Sent: Wed 9/16/2015 4:04:31 PM
Subject: RE: RAB1 Branch Meeting Move - Again

No problem Jen! We are going over cyproconazole scoping and I am handing over the Lights to Bill.

From: Tyler, Jennifer-R
Sent: Wednesday, September 16, 2015 11:57 AM
To: Morton, Thurston
Subject: RE: RAB1 Branch Meeting Move - Again

Hey Thurston,

I won't be able to call in after all.

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

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-Jen

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~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*

Jennifer R. Tyler
Risk Assessment Branch 1
Health Effects Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
PY: (703) 305-5564

RTP: (919) 541-5314
tyler.jennifer-r@epa.gov

From: Morton, Thurston
Sent: Wednesday, September 16, 2015 11:52 AM
To: OPP HED RAB1
Subject: RAB1 Branch Meeting Move - Again

Due to the Glyphosate CARC taking longer than I anticipated along with the Chloropicrin meeting I am moving the branch meeting to 3pm. I will be leaving at 3:30 so hopefully we can get everything accomplished.

Sorry for the second time move.

To: Bloem, Thomas[Bloem.Thomas@epa.gov]
From: Morton, Thurston
Sent: Mon 7/27/2015 11:46:12 AM
Subject: RE: Glyphosate canola use expansion; D# 503147

Thanks Tom.

From: Bloem, Thomas
Sent: Monday, July 27, 2015 7:46 AM
To: Morton, Thurston
Subject: Re: Glyphosate canola use expansion; D# 503147

None

From: Morton, Thurston
Sent: Monday, July 27, 2015 7:43 AM
To: Bloem, Thomas
Subject: FW: Glyphosate canola use expansion; D# 503147

Tom,

Ex. 5 - Deliberative Process

Thanks,

Thurston

From: Benbow, Bethany
Sent: Monday, July 27, 2015 7:14 AM
To: Morton, Thurston; Louie-Juzwiak, Rosanna
Subject: Glyphosate canola use expansion; D# 503147
Importance: High

Good morning Thurston and Rosanna,

I just realized that today is the 90-day tech. screen date for this R350 action :S

Do either of you have any deficiencies to note for this request to expand the canola use pattern for glyphosate (increasing rates by 2 and 3 times the current rates, and lengthening the application window up to the first flower stage)?

Thanks,

Beth

Beth Benbow

Risk Manager | Herbicide Branch | Registration Division

Office of Pesticide Programs | U.S. Environmental Protection Agency

(703) 347-8072 | www2.epa.gov/pesticide-registration

To: Bloem, Thomas[Bloem.Thomas@epa.gov]
From: Morton, Thurston
Sent: Mon 7/27/2015 11:44:00 AM
Subject: FW: Glyphosate canola use expansion; D# 503147
[EFED BEAN for Glyphosate Canola R350.pdf](#)
[HED BEAN for Glyphosate Canola R350.pdf](#)

Tom,

Ex. 5 - Deliberative Process

Thanks,

Thurston

From: Benbow, Bethany
Sent: Monday, July 27, 2015 7:14 AM
To: Morton, Thurston; Louie-Juzwiak, Rosanna
Subject: Glyphosate canola use expansion; D# 503147
Importance: High

Good morning Thurston and Rosanna,

I just realized that today is the 90-day tech. screen date for this R350 action :S

Do either of you have any deficiencies to note for this request to expand the canola use pattern for glyphosate (increasing rates by 2 and 3 times the current rates, and lengthening the application window up to the first flower stage)?

Thanks,

Beth

Beth Benbow

Risk Manager | Herbicide Branch | Registration Division

Office of Pesticide Programs | U.S. Environmental Protection Agency

(703) 347-8072 | www2.epa.gov/pesticide-registration

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Morton, Thurston
Sent: Fri 6/12/2015 12:40:30 PM
Subject: Re: Delegation

Thanks Jess. I will touch base with you when I return.

From: Rowland, Jess
Sent: Thursday, June 11, 2015 10:31 PM
To: Morton, Thurston
Subject: RE: Delegation

Hey Thurston

I wanted to connect with you but ran out of time.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

We can work out the details after you get back. Have a safe and enjoyable vacation.

JR

Sent from my Windows Phone

From: Morton, Thurston
Sent: 6/11/2015 12:53 PM
To: OPP HED Managers
Cc: OPP HED RAB1
Subject: Delegation

I will be on annual leave for the next 2 weeks. Following are the delegations:

Friday 6/12 I am compressed and no one from RAB1 is in. You can contact me at

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Monday 6/15 Josh Godshall

Tuesday-Thursday 6/16 -6-18 George Kramer

Friday 6/19 and Monday 6/22 Monique Perron

Tuesday-Thursday 6/23 to 6/25 Cassi Walls

Friday 6/26 I am compressed and no one from RAB1 is in. You can contact me at

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Thanks

Thurston

To: Britton, Wade[Britton.Wade@epa.gov]; Nguyen, Khue[Nguyen.Khue@epa.gov]
Cc: Overbey, Dian[Overbey.Dian@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Collantes, Margarita[Collantes.Margarita@epa.gov]
From: Han, Kaythi
Sent: Tue 5/3/2016 1:19:59 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

We're good on this for now. We will need to expand the desk statement, so I'll let you know if we need HED's input. Thanks, Wade!

From: Britton, Wade
Sent: Tuesday, May 03, 2016 8:37 AM
To: Nguyen, Khue <Nguyen.Khue@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Collantes, Margarita <Collantes.Margarita@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Kathy - I just checked in with Dana Vogel with respect to your request. She said a press statement went out yesterday. Do you still need input from us?

Wade

Wade Britton, MPH

Environmental Health Scientist | Division Communication Officer

Health Effects Division

Office of Pesticide Programs, US EPA

(703) 308-0139

From: Nguyen, Khue
Sent: Monday, May 02, 2016 2:43 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Britton, Wade <Britton.Wade@epa.gov>
Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Guys,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 2:31 PM

To: Britton, Wade <Britton.Wade@epa.gov>

Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>;
Nguyen, Khue <Nguyen.Khue@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Importance: High

Hi Wade,

Ex. 5 - Deliberative Process

Thanks,
Kaythi

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 2:13 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

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202-420-8648 (mobile)

Milbourn.cathy@epa.gov

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Hi Cathy,

The reporter can find the PDF of the IARC report at:
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Kaythi

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To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
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Can you all let Cathy know? Thanks.

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Sent: Monday, May 02, 2016 1:28 PM

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Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
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Hi Linda, I'm presuming that the IARC review is in the docket?

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

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Cc: Overbey, Dian[Overbey.Dian@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Collantes, Margarita[Collantes.Margarita@epa.gov]
From: Britton, Wade
Sent: Tue 5/3/2016 12:36:45 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Wade

Wade Britton, MPH

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Health Effects Division

Office of Pesticide Programs, US EPA

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Guys,

Ex. 5 - Deliberative Process

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Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

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Nguyen, Khue <Nguyen.Khue@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS

Importance: High

Hi Wade,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

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Ex. 5 - Deliberative Process

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Catherine C. Milbourn

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202-420-8648 (mobile)

Milbourn.cathy@epa.gov

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Sent: Monday, May 02, 2016 1:39 PM

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Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

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Can you all let Cathy know? Thanks.

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Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the

recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Nguyen, Khue[Nguyen.Khue@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 8:48:34 PM
Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

This is fine, let's make sure Yu-Ting and Dana are good with this and that we can share it with Rick at 5.

From: Nguyen, Khue
Sent: Monday, May 02, 2016 4:48 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Anderson, Neil <Anderson.Neil@epa.gov>; Ingram, Earl <Ingram.Earl@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Hi Kaythi,

Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 4:35 PM

To: Anderson, Neil <Anderson.Neil@epa.gov>; Nguyen, Khue <Nguyen.Khue@epa.gov>;
Ingram, Earl <Ingram.Earl@epa.gov>

Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>;
Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies
to Determine Glyphosate Does Not Cause Cancer

Importance: High

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Strauss, Linda

Sent: Monday, May 02, 2016 4:14 PM

To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 4:12 PM

To: Conger, Nick <Conger.Nick@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>

Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Conger, Nick

Sent: Monday, May 02, 2016 4:00 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>

Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Thanks Cathy.

Linda: Can you provide a statement on this? We also have an inquiry from The Hill:

- First off, I want to make sure I understand what exactly this is. It appears that it's an advisory opinion meant to inform EPA's regulatory actions on glyphosate, but it is not a final decision itself. Is that true?

- Second, this looks like it's dated from October. Why is it just coming out now, and only through the rulemaking docket?

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 3:34 PM

To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html



CENTER for BIOLOGICAL DIVERSITY

Because

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, ndonley@biologicaldiversity.org

EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

PORTLAND, Ore.— An EPA analysis relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

“We shouldn’t gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate,” said Donley. “The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end.”

The EPA’s industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a letter to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a “registration review” of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency’s decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by glyphosate was 1993.

The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.

Alaska • Arizona • California • Florida • Minnesota • Nevada • New Mexico • New York • Oregon • Vermont • Washi

P.O. Box 710 • Tucson, AZ 85702-0710 • tel: (520) 623.5252 • fax: (520) 623.9797 • www.BiologicalDiversity.org

You are subscribed to Center-Plus@list.diversity.org

To: Nguyen, Khue[Nguyen.Khue@epa.gov]; Britton, Wade[Britton.Wade@epa.gov]
Cc: Overbey, Dian[Overbey.Dian@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 6:49:37 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Nguyen, Khue
Sent: Monday, May 02, 2016 2:43 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Britton, Wade <Britton.Wade@epa.gov>
Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
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Guys,

Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

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Nguyen, Khue <Nguyen.Khue@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS
Importance: High

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Ex. 5 - Deliberative Process

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To: Han, Kaythi <Han.Kaythi@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

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Cc: Overbey, Dian[Overbey.Dian@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Nguyen, Khue[Nguyen.Khue@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 6:30:51 PM
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Ex. 5 - Deliberative Process

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Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

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Thanks,

Rebecca

To: Nguyen, Khue[Nguyen.Khue@epa.gov]
From: Louie-Juzwiak, Rosanna
Sent: Wed 6/3/2015 5:35:12 PM
Subject: RE: Monsanto questions re eco risk assessment

Ex. 5 - Deliberative Process

-----Original Message-----

From: Nguyen, Khue
Sent: Wednesday, June 03, 2015 1:32 PM
To: Louie-Juzwiak, Rosanna; Spatz, Dana; Hetrick, James; Blankinship, Amy
Cc: Moriarty, Thomas; Anderson, Neil
Subject: RE: Monsanto questions re eco risk assessment

Yes--I think Tom can address their bee question.

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1 Pesticide Re-evaluation Division Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

-----Original Message-----

From: Louie-Juzwiak, Rosanna
Sent: Wednesday, June 03, 2015 1:27 PM
To: Nguyen, Khue; Spatz, Dana; Hetrick, James; Blankinship, Amy
Cc: Moriarty, Thomas; Anderson, Neil
Subject: RE: Monsanto questions re eco risk assessment

Thanks, Khue. To confirm, EFED would be speaking to these two questions:

- Is the Agency performing a "rate based" environmental assessment with crop and non-crop application scenarios in the PRA, similar to what was used for the Glyphosate California red-legged frog assessment (Pages 31-32; Table 2.6)?
- Have the "newer" submitted Syngenta sponsored avian reproduction studies (NOEC =2250 ppm) and adult honey bee acute studies (NOEC =200 ug a.i./bee) been used as new measurement endpoints in the assessment?"

-----Original Message-----

From: Nguyen, Khue
Sent: Wednesday, June 03, 2015 1:03 PM
To: Spatz, Dana; Hetrick, James; Blankinship, Amy; Louie-Juzwiak, Rosanna
Cc: Moriarty, Thomas; Anderson, Neil
Subject: FW: Monsanto questions re eco risk assessment

Hi folks,

This just came in from Monsanto...I am forwarding this so you will be prepared for the meeting with Monsanto tomorrow.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process | I know this is very last min--will someone from EFED be available for the 1pm glyphosate meeting tomorrow? From what I understand, they are really here to talk at us rather than dig for information that we haven't made public yet.

Thanks,

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1 Pesticide Re-evaluation Division Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

-----Original Message-----

From: JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]
Sent: Wednesday, June 03, 2015 12:27 PM
To: Nguyen, Khue
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]
Subject: RE: Monsanto glyphosate meeting request

Hi Khue:

Per our conversation today- here are our ecotox questions-

Is the Agency performing a "rate based" environmental assessment with crop and non-crop application scenarios in the PRA, similar to what was used for the Glyphosate California red-legged frog assessment (Pages 31-32; Table 2.6)?

When will the Tier 1 EDSP WoE document be available for Glyphosate and can the overall conclusion be shared from the WoE document?

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Have the "newer" submitted Syngenta sponsored avian reproduction studies (NOEC =2250 ppm) and adult honey bee acute studies (NOEC =200 ug a.i./bee) been used as new measurement endpoints in the assessment?

Thanks,

Dan Jenkins
U.S. Agency Lead
Regulatory Affairs
Monsanto Company
1300 I St., NW
Suite 450 East
Washington, DC 20005
Office: 202-383-2851
Cell: 571-732-6575

-----Original Message-----

From: Nguyen, Khue [mailto:Nguyen.Khue@epa.gov]
Sent: Monday, June 01, 2015 11:33 AM

To: JENKINS, DANIEL J [AG/1920]
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]
Subject: RE: Monsanto glyphosate meeting request

Hi Dan,

Please use the following call in information:

Dial in num: **Ex. 6 - Personal Privacy**

Conference code: **Ex. 6 - Personal Privacy**

Is this for your colleagues? I thought you were attending in person?

Thanks,

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1 Pesticide Re-evaluation Division Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

-----Original Message-----

From: JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]
Sent: Monday, June 01, 2015 11:30 AM
To: Nguyen, Khue
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]
Subject: Re: Monsanto glyphosate meeting request

Hi Khue

Can we get a call in number for this Thursday?

Thanks

Dan Jenkins
US Agency Lead
Monsanto Company
202.383.2851 office
571.732.6575 cell

> On May 19, 2015, at 6:26 PM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

>

> Hi Dan,

>

> June 4th 1-2 pm will work better for us (PRD). We are not sure we will be able to say much more about Monsanto's paired urine/human milk test results other than what Thuy Nguyen of BEAD has already told you. If your goal is to have a higher level, broader discussion concerning registration review, we will be able to do that, but unfortunately, we will not be able to discuss the minor details of endangered species analysis, as that process is currently being worked out with the pilot chemicals (diazinon, malathion, and chlorpyrifos).

>

> Let me know if that will work.

>

> Thanks,

>
> Khue Nguyen
> Chemical Review Manager
> Risk Management and Implementation Branch 1 Pesticide Re-evaluation
> Division Office of Pesticide Programs, EPA
> 703-347-0248
> Nguyen.khue@epa.gov
>
> -----Original Message-----
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> [mailto:daniel.j.jenkins@monsanto.com]
> Sent: Tuesday, May 19, 2015 8:50 AM
> To: Nguyen, Khue
> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;
> NYANGULU, JAMES M [AG/1920]
> Subject: RE: Monsanto glyphosate meeting request
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> Hi Khue:
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> Dan Jenkins
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> Monsanto Company
> 1300 I St., NW
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> Cell: 571-732-6575
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> -----Original Message-----
> From: JENKINS, DANIEL J [AG/1920]
> Sent: Monday, May 18, 2015 8:20 AM
> To: JENKINS, DANIEL J [AG/1920]; Nguyen, Khue
> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;
> NYANGULU, JAMES M [AG/1920]
> Subject: RE: Monsanto glyphosate meeting request
>
> Copying James Nyangulu
>
> Dan Jenkins
> U.S. Agency Lead
> Regulatory Affairs
> Monsanto Company
> 1300 I St., NW
> Suite 450 East
> Washington, DC 20005
> Office: 202-383-2851
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> To: Nguyen, Khue

> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas

> Subject: Re: Monsanto glyphosate meeting request

>

> Hi Khue

>

> We'd like to discuss:

>

> Our final paired urine/human milk test results

>

> Endangered species analysis

>

> Monarchs

>

> WRM proposals for glyphosate

>

> Comment period timing

>

> Thanks,

>

> Dan Jenkins

> US Agency Lead

> Monsanto Company

> 202.383.2851 office

> 571.732.6575 cell

>

>> On May 11, 2015, at 11:46 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

>>

>> Hi Dan,

>>

>> EPA is not opposed to meeting to discuss glyphosate if you wish. In order to ensure a productive meeting, do you have a list of questions/discussion topics for us? We might be able to answer some questions via email just off-hand.

>>

>> Thanks,

>>

>> Khue Nguyen

>> Chemical Review Manager

>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation

>> Division Office of Pesticide Programs, EPA

>> 703-347-0248

>> Nguyen.khue@epa.gov

>>

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>> [mailto:daniel.j.jenkins@monsanto.com]

>> Sent: Monday, May 11, 2015 11:37 AM

>> To: Nguyen, Khue

>> Cc: LISTELLO, JENNIFER J [AG/1000]

>> Subject: Monsanto glyphosate meeting request

>>

>> Hi Khue:

>>

>> Can we get an hour meeting w PRD re glyphosate reg review the first week of June please? Also, please direct all correspondence directly to me for Monsanto specific topics/meetings and I'll make sure we get back to you ASAP.

>>

>> Thanks

>>

>> Thank you

>>

>> Dan Jenkins

>> US Agency Lead

>> Monsanto Company

>> 202.383.2851 office

>> 571.732.6575 cell

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To: Han, Kaythi[Han.Kaythi@epa.gov]; Britton, Wade[Britton.Wade@epa.gov]
Cc: Overbey, Dian[Overbey.Dian@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Nguyen, Khue
Sent: Mon 5/2/2016 6:43:18 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Guys,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:31 PM
To: Britton, Wade <Britton.Wade@epa.gov>
Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>;
Nguyen, Khue <Nguyen.Khue@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS
Importance: High

Hi Wade,

Ex. 5 - Deliberative Process

Thanks,
Kaythi

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 2:13 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Thanks Kathi I have several reporters telling me that additional documents were posted regs.gov on Friday. I'm told one was the cancer risk assessment, the CARC (this is EPA's committee?) in response to IARC.

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:39 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:33 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Linda, I'm presuming that the IARC review is in the docket?

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Rowland, Jess[Rowland.Jess@epa.gov]; Smith, Charles[smith.charles@epa.gov]
Cc: Moriarty, Thomas[Moriarty.Thomas@epa.gov]
From: Nguyen, Khue
Sent: Wed 11/4/2015 4:21:13 PM
Subject: FW: Glyphosate- tom burke Briefing Slides

Ex. 5 - Deliberative Process

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Mojica, Andrea

Sent: Wednesday, November 04, 2015 11:15 AM

To: Nguyen, Khue <Nguyen.Khue@epa.gov>

Cc: Rowland, Jess <Rowland.Jess@epa.gov>; Moriarty, Thomas <Moriarty.Thomas@epa.gov>; Anderson, Neil <Anderson.Neil@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>

Subject: Re: Glyphosate- tom burke Briefing Slides

Khue,

Ex. 5 - Deliberative Process

Andrea

On Nov 4, 2015, at 10:59 AM, Nguyen, Khue <Nguyen.Khue@epa.gov> wrote:

Hi Andrea,

Ex. 5 - Deliberative Process

Thanks,

Khue Nguyen

Chemical Review Manager

Risk Management and Implementation Branch 1

Pesticide Re-evaluation Division

Office of Pesticide Programs, EPA

703-347-0248

Nguyen.khue@epa.gov

From: Rowland, Jess

Sent: Tuesday, November 03, 2015 12:10 PM

To: Mojica, Andrea <Mojica.andrea@epa.gov>; Nguyen, Khue <Nguyen.Khue@epa.gov>

Cc: Housenger, Jack <Housenger.Jack@epa.gov>; Monell, Marty

<Monell.Marty@epa.gov>; Jordan, William <Jordan.William@epa.gov>; Vogel, Dana

<Vogel.Dana@epa.gov>

Subject: Glyphosate- Briefing Slides and CARC document

Importance: High

Hi Andrea/Khue

Attached please find the slides and the CARC document.
Please forward them to Tom.

If u need anything else, please let me know

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Blankinship, Amy[Blankinship.Amy@epa.gov]; Hetrick, James[Hetrick.James@epa.gov]; Louie-Juzwiak, Rosanna[Louie-Juzwiak.Rosanna@epa.gov]
From: Nguyen, Khue
Sent: Thur 6/25/2015 8:30:27 PM
Subject: FW: Monsanto glyphosate eco questions

Hi all,

I am forwarding a couple questions from Monsanto on glyphosate.

Is the Agency performing a "rate based" environmental assessment with crop and non-crop application scenarios in the PRA, similar to what was used for the Glyphosate California red-legged frog assessment (Pages 31-32; Table 2.6)?

Have the "newer" submitted Syngenta sponsored avian reproduction studies (NOEC =2250 ppm) and adult honey bee acute studies (NOEC =200 ug a.i./bee) been used as new measurement endpoints in the assessment?

If either question touches on policy decisions that EFED has not yet made public, please remain as vague as possible.

Thanks,

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1
Pesticide Re-evaluation Division
Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

-----Original Message-----

From: JENKINS, DANIEL J [AG/1920] [mailto:daniel.j.jenkins@monsanto.com]
Sent: Thursday, June 25, 2015 4:05 PM
To: JENKINS, DANIEL J [AG/1920]; Nguyen, Khue
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]; LEVINE, STEVEN L [AG/1000]
Subject: RE: Monsanto glyphosate meeting request

Hi Khue-

We didn't hear back from PRD regarding the questions below- can you please let us know your response?

Dan Jenkins
U.S. Agency Lead
Regulatory Affairs
Monsanto Company
1300 I St., NW
Suite 450 East
Washington, DC 20005
Office: 202-383-2851
Cell: 571-732-6575

-----Original Message-----

From: JENKINS, DANIEL J [AG/1920]
Sent: Wednesday, June 03, 2015 12:27 PM
To: Nguyen, Khue
Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas; NYANGULU, JAMES M [AG/1920]
Subject: RE: Monsanto glyphosate meeting request

Hi Khue:

Per our conversation today- here are our ecotox questions-

Is the Agency performing a "rate based" environmental assessment with crop and non-crop application scenarios in the PRA, similar to what was used for the Glyphosate California red-legged frog assessment (Pages 31-32; Table 2.6)?

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Conference code: **Ex. 6 - Personal Privacy**

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Thanks,

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1 Pesticide Re-evaluation Division Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

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US Agency Lead
Monsanto Company
202.383.2851 office
571.732.6575 cell

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> Let me know if that will work.

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> Khue Nguyen

> Chemical Review Manager

> Risk Management and Implementation Branch 1 Pesticide Re-evaluation

> Division Office of Pesticide Programs, EPA

> 703-347-0248

> Nguyen.khue@epa.gov

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> NYANGULU, JAMES M [AG/1920]
> Subject: RE: Monsanto glyphosate meeting request

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> Monsanto Company
> 1300 I St., NW
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> Cell: 571-732-6575

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> Sent: Monday, May 18, 2015 8:20 AM
> To: JENKINS, DANIEL J [AG/1920]; Nguyen, Khue
> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas;
> NYANGULU, JAMES M [AG/1920]
> Subject: RE: Monsanto glyphosate meeting request

> Copying James Nyangulu

> Dan Jenkins
> U.S. Agency Lead
> Regulatory Affairs
> Monsanto Company
> 1300 I St., NW
> Suite 450 East
> Washington, DC 20005
> Office: 202-383-2851
> Cell: 571-732-6575

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> To: Nguyen, Khue
> Cc: LISTELLO, JENNIFER J [AG/1000]; Anderson, Neil; Moriarty, Thomas
> Subject: Re: Monsanto glyphosate meeting request

> Hi Khue

> We'd like to discuss:
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> Endangered species analysis
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> WRM proposals for glyphosate
>
> Comment period timing
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> US Agency Lead
> Monsanto Company
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>> EPA is not opposed to meeting to discuss glyphosate if you wish. In order to ensure a productive meeting, do you have a list of questions/discussion topics for us? We might be able to answer some questions via email just off-hand.
>>
>> Thanks,
>>
>> Khue Nguyen
>> Chemical Review Manager
>> Risk Management and Implementation Branch 1 Pesticide Re-evaluation
>> Division Office of Pesticide Programs, EPA
>> 703-347-0248
>> Nguyen.khue@epa.gov
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>> Sent: Monday, May 11, 2015 11:37 AM
>> To: Nguyen, Khue
>> Cc: LISTELLO, JENNIFER J [AG/1000]
>> Subject: Monsanto glyphosate meeting request
>>
>> Hi Khue:
>>
>> Can we get an hour meeting w PRD re glyphosate reg review the first week of June please? Also, please direct all correspondence directly to me for Monsanto specific topics/meetings and I'll make sure we get back to you ASAP.
>>
>> Thanks
>>
>> Thank you
>>
>> Dan Jenkins

>> US Agency Lead
>> Monsanto Company
>> 202.383.2851 office
>> 571.732.6575 cell

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To: Berwald, Derek[Berwald.Derek@epa.gov]
From: Nguyen, Khue
Sent: Thur 6/4/2015 3:56:19 PM
Subject: RE: glyphosate: meeting with Monsanto

Dial in num: **Ex. 6 - Personal Privacy**
Conference code: **Ex. 6 - Personal Privacy**

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1
Pesticide Re-evaluation Division
Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

-----Original Appointment-----

From: Berwald, Derek
Sent: Thursday, June 04, 2015 11:47 AM
To: Nguyen, Khue
Subject: Tentative: glyphosate: meeting with Monsanto
When: Thursday, June 04, 2015 1:00 PM-2:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: DCRoomPYS9100/Potomac-Yard-One

Khue, is there a call-in number for this meeting? I have two conflicts, but I will call in if I can!

Thanks.

db

To: Nguyen, Thuy[Nguyen.Thuy@epa.gov]
From: Nguyen, Khue
Sent: Wed 6/3/2015 6:17:55 PM
Subject: RE: glyphosate: meeting with Monsanto

Dial in num: Ex. 6 - Personal Privacy
Conf code: Ex. 6 - Personal Privacy

Khue Nguyen
Chemical Review Manager
Risk Management and Implementation Branch 1
Pesticide Re-evaluation Division
Office of Pesticide Programs, EPA
703-347-0248
Nguyen.khue@epa.gov

From: Nguyen, Thuy
Sent: Wednesday, June 03, 2015 2:16 PM
To: Nguyen, Khue
Subject: RE: glyphosate: meeting with Monsanto

Hi Khue
Do you have a call in number? I can call in
Thanks
Thuy

-----Original Appointment-----

From: Nguyen, Khue
Sent: Wednesday, June 03, 2015 2:13 PM
To: Nguyen, Thuy
Subject: glyphosate: meeting with Monsanto
When: Thursday, June 04, 2015 1:00 PM-2:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: DCRoomPYS9100/Potomac-Yard-One

Monsanto has requested a meeting with the team to have a broad high level discussion concerning registration review. List of the discussion topics in chain below. We have made it clear to Monsanto that we are not in a position to discuss the weed resistance management language that they sent (I don't think the team has had a chance to look at it yet), new developments on the pollinator front, the IARC report and our response, the breast milk study, etc because everything is very much draft, internal, and deliberative. But from the gist of my conversation with Monsanto, they want to talk at us, and they want some of the experts (from BEAD, HED, and EFED) in the room to hear them.

I know this is very last minute, whoever is available tomorrow can come, I don't expect that

everyone can be available.

Thanks,
Khue

Hi Khue

We'd like to discuss:

Our final paired urine/human milk test results **(they are sharing their results with EPA prior to publication)**

Endangered species analysis

Monarchs

WRM proposals for glyphosate

Comment period timing

Thanks,

Dan Jenkins
US Agency Lead
Monsanto Company
202.383.2851 office
571.732.6575 cell

To: Wakefield, Benjamin J.[wakefield.benjamin@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]
Cc: Knorr, Michele[knorr.michele@epa.gov]; Goerke, Ariadne[Goerke.Ariadne@epa.gov]
From: Smith, Charles
Sent: Tue 6/2/2015 6:21:51 PM
Subject: RE: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)

Ex. 5 - Deliberative Process/Attorney-client

Charles “ Billy” Smith

Branch Chief RAB4

Health Effects Division

Office of Pesticide Programs

703-305-0291

From: Wakefield, Benjamin J.
Sent: Tuesday, June 02, 2015 12:27 PM
To: Rowland, Jess; Smith, Charles; Perron, Monique
Cc: Knorr, Michele; Goerke, Ariadne
Subject: RE: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)

Great – thank you!

- Ben

From: Rowland, Jess
Sent: Tuesday, June 02, 2015 12:24 PM
To: Wakefield, Benjamin J.; Smith, Charles; Perron, Monique

Cc: Knorr, Michele; Goerke, Ariadne

Subject: RE: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)

Importance: High

Hi Ben

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Regards

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wakefield, Benjamin J.
Sent: Tuesday, June 02, 2015 11:21 AM
To: Rowland, Jess; Smith, Charles; Perron, Monique
Cc: Knorr, Michele; Goerke, Ariadne
Subject: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)
Importance: High

Jess, Billy, and/or Monique,

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Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

- Ben

Benjamin J. Wakefield
U.S. Environmental Protection Agency
Office of General Counsel, Pesticides & Toxic Substances Law Office
1200 Pennsylvania Ave., N.W., Mail Code 2333A
Washington, D.C. 20460
Tel: 202-564-3186
Fax: 202-564-5531
wakefield.benjamin@epa.gov

NOTICE: This communication may contain privileged or other confidential information. If you are not the intended recipient, or believe you have received this communication in error, please delete the copy you received, and do not print, copy, retransmit, disseminate, or otherwise use the information. Thank you.

From: Smith, Charles
Sent: Thursday, May 28, 2015 10:25 AM
To: Wakefield, Benjamin J.; Perron, Monique; Metzger, Michael
Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston; Rowland, Jess
Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Ben,

Ex. 5 - Deliberative Process/Attorney-client

Charles “ Billy” Smith

Branch Chief RAB4

Health Effects Division

Office of Pesticide Programs

703-305-0291

From: Wakefield, Benjamin J.

Sent: Thursday, May 28, 2015 10:12 AM

To: Perron, Monique; Smith, Charles; Metzger, Michael

Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston

Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Hi Monique.

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Thank you very much for your help with this!

- Ben

Benjamin J. Wakefield
U.S. Environmental Protection Agency
Office of General Counsel, Pesticides & Toxic Substances Law Office
1200 Pennsylvania Ave., N.W., Mail Code 2333A
Washington, D.C. 20460
Tel: 202-564-3186
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From: Perron, Monique
Sent: Wednesday, May 27, 2015 6:40 PM
To: Wakefield, Benjamin J.; Smith, Charles; Metzger, Michael
Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston
Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Hi Benjamin,

Ex. 5 - Deliberative Process/Attorney-client

Thanks,

Monique

Statement from Press Office:

In 1991 EPA concluded that glyphosate should be classified as a Group E (evidence of non-carcinogenicity for humans) based on a lack of convincing carcinogenicity evidence and considering the criteria in EPA Guidelines for classifying a carcinogen. Since then, EPA has monitored emerging research on the carcinogenicity of glyphosate.

In 2014, EPA reviewed over 55 epidemiological studies conducted on the possible cancer and non-cancer effects of glyphosate. Our review concluded that this body of research does not provide evidence to show that glyphosate causes cancer, and it does not warrant any change in EPA's cancer classification for glyphosate. This is the same conclusion reached in 2004 by the United Nations' Food and Agriculture Organization and affirmed this year by Germany's pesticide regulatory officials. In a few months, EPA will be releasing for public comment our preliminary human health risk assessment for glyphosate as part of our program to reevaluate all pesticides periodically. EPA is aware of the recent International Agency for Research on Cancer (IARC) report and will address it in detail in the preliminary risk assessment. Additional information regarding glyphosate and EPA's ongoing registration review can be found at:

http://iaspub.epa.gov/apex/pesticides/f?p=CHEMICALSEARCH:31:0::NO:1,3,31,7,12,25:P3_XCHEMICAL_II

From: Wakefield, Benjamin J.

Sent: Wednesday, May 27, 2015 6:04 PM

To: Smith, Charles; Perron, Monique; Metzger, Michael

Cc: Knorr, Michele; Goerke, Ariadne

Subject: Glyphosate / carcinogenicity / IARC finding?

Billy, Monique, and Mike,

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Thanks!

- Ben

Benjamin J. Wakefield
U.S. Environmental Protection Agency
Office of General Counsel, Pesticides & Toxic Substances Law Office
1200 Pennsylvania Ave., N.W., Mail Code 2333A
Washington, D.C. 20460
Tel: 202-564-3186
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wakefield.benjamin@epa.gov

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To: Wakefield, Benjamin J.[wakefield.benjamin@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]; Perron, Monique[Perron.Monique@epa.gov]
Cc: Knorr, Michele[knorr.michele@epa.gov]; Goerke, Ariadne[Goerke.Ariadne@epa.gov]
From: Rowland, Jess
Sent: Tue 6/2/2015 4:23:30 PM
Subject: RE: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)
[d321992.mem.pdf](#)
[D362745.mem.pdf](#)

Hi Ben

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Regards

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wakefield, Benjamin J.
Sent: Tuesday, June 02, 2015 11:21 AM
To: Rowland, Jess; Smith, Charles; Perron, Monique
Cc: Knorr, Michele; Goerke, Ariadne
Subject: Glyphosate - carcinogenicity - 1991 vs. 2006, etc.? (URGENT)
Importance: High

Jess, Billy, and/or Monique,

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

- Ben

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From: Smith, Charles
Sent: Thursday, May 28, 2015 10:25 AM
To: Wakefield, Benjamin J.; Perron, Monique; Metzger, Michael
Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston; Rowland, Jess
Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Ben,

Ex. 5 - Deliberative Process/Attorney-client

Charles “ Billy” Smith

Branch Chief RAB4

Health Effects Division

Office of Pesticide Programs

703-305-0291

From: Wakefield, Benjamin J.

Sent: Thursday, May 28, 2015 10:12 AM

To: Perron, Monique; Smith, Charles; Metzger, Michael

Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston
Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Hi Monique.

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Thank you very much for your help with this!

- Ben

Benjamin J. Wakefield
U.S. Environmental Protection Agency
Office of General Counsel, Pesticides & Toxic Substances Law Office
1200 Pennsylvania Ave., N.W., Mail Code 2333A
Washington, D.C. 20460
Tel: 202-564-3186
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From: Perron, Monique
Sent: Wednesday, May 27, 2015 6:40 PM
To: Wakefield, Benjamin J.; Smith, Charles; Metzger, Michael
Cc: Knorr, Michele; Goerke, Ariadne; Morton, Thurston
Subject: RE: Glyphosate / carcinogenicity / IARC finding?

Hi Benjamin,

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Thanks,

Monique

Statement from Press Office:

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In 2014, EPA reviewed over 55 epidemiological studies conducted on the possible cancer and non-cancer effects of glyphosate. Our review concluded that this body of research does not provide evidence to show that glyphosate causes cancer, and it does not warrant any change in EPA's cancer classification for glyphosate. This is the same conclusion reached in 2004 by the United Nations' Food and Agriculture Organization and affirmed this year by Germany's pesticide regulatory officials. In a few months, EPA will be releasing for public comment our preliminary human health risk assessment for glyphosate as part of our program to reevaluate all pesticides periodically. EPA is aware of the recent International Agency for Research on Cancer (IARC) report and will address it in detail in the preliminary risk assessment. Additional information regarding glyphosate and EPA's ongoing registration review can be found at:

http://iaspub.epa.gov/apex/pesticides/f?p=CHEMICALSEARCH:31:0::NO:1,3,31,7,12,25:P3_XCHEMICAL_II

From: Wakefield, Benjamin J.

Sent: Wednesday, May 27, 2015 6:04 PM

To: Smith, Charles; Perron, Monique; Metzger, Michael

Cc: Knorr, Michele; Goerke, Ariadne

Subject: Glyphosate / carcinogenicity / IARC finding?

Billy, Monique, and Mike,

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

Thanks!

- Ben

Benjamin J. Wakefield
U.S. Environmental Protection Agency
Office of General Counsel, Pesticides & Toxic Substances Law Office
1200 Pennsylvania Ave., N.W., Mail Code 2333A
Washington, D.C. 20460
Tel: 202-564-3186
Fax: 202-564-5531
wakefield.benjamin@epa.gov

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To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Perron, Monique
Sent: Wed 8/5/2015 3:24:03 PM
Subject: FW: draft for reg review
[glyphosate registration review.docx](#)

Attached is the current draft of the DRA.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Thanks,

Monique

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Thur 11/19/2015 9:18:56 PM
Subject: RE: a few additional notes on glyphosate

Next Tue (11/23) at 4pm. Should be interesting. --cw

From: Rowland, Jess
Sent: Thursday, November 19, 2015 4:12 PM
To: Wood, Charles <Wood.Charles@epa.gov>
Subject: Re: a few additional notes on glyphosate

Charles

Thanks so much. Great help as usual. When is the briefing

JR

Sent from my iPhone

On Nov 19, 2015, at 3:33 PM, Wood, Charles <Wood.Charles@epa.gov> wrote:

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

--Charles

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Thur 11/19/2015 8:33:36 PM
Subject: a few additional notes on glyphosate

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

--Charles

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Tue 9/29/2015 2:28:09 PM
Subject: RE: Glyphosate
Glyphosate CARC FINAL 9.27.15 JR-2 cw2.docx

Hi Jess,

Attached are some final edits to glyphosate CARC document, most all very minor suggestions. Overall I think it looks sharp. Let me know if you have any last-minute questions.

--Charles

(BTW, I never taught English but my wife did.)

From: Rowland, Jess
Sent: Sunday, September 27, 2015 9:02 PM
To: Akerman, Gregory; Brunsman, Lori; Chen, Jonathan; Dunbar, Anwar; Kent, Ray; Liccione, John; Lobdell, Danelle; Middleton, Karlyn; McCarroll, Nancy; Wood, Charles
Subject: Glyphosate
Importance: High

Greg et al.,

Ex. 5 - Deliberative Process

Thanks to Greg, we have made all the necessary revisions.

Here are the highlights.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Thanks for all your help; special thanks to the valuable contributions by Charles and Danelle.

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Lobdell, Danelle
Sent: Mon 9/21/2015 4:26:31 PM
Subject: RE: Glyphosate- Classification Narrative

Hi Jess,

I did misspell.... Should be missingness.

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess
Sent: Monday, September 21, 2015 12:24 PM
To: OPP HED CARC; Lobdell, Danelle
Subject: Glyphosate- Classification Narrative
Importance: High

Hello CARCeers

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Mon 9/21/2015 2:38:44 AM
Subject: Re: Glypho
[wood lymphoma notes 9.20.15.docx](#)
[Glyphosate CARC DRAFT 9 9 15 JR_cw2.docx](#)

Hi Jess,

(1) Attachment 1 has my notes on the two lymphoma mouse studies.

(2) Attachment 2 has the original CARC draft with some minor edits.

I could not figure out how to access more recent CARC draft on SharePoint. If you or Jessica can send this to me I will review and return asap.
--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 5:52 PM
To: Wood, Charles
Subject: RE: Glypho

Thanks Charles.

Sent from my Windows Phone

From: [Wood, Charles](#)
Sent: 9/18/2015 5:38 PM
To: [Rowland, Jess](#)
Subject: Re: Glypho

Hi Jess,

Sorry for late reply -- was out of office today. I will get something to you by late Sun.

--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 7:43 AM
To: Wood, Charles
Subject: Glypho

HI Charles

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Lobdell, Danelle
Sent: Tue 9/8/2015 9:43:10 PM
Subject: RE: Glyphosate DRAFT
Glyphosate DRAFT 9 3 15 JR DTL.docx

Hi Jess,

Here are my edits to the epi section of the write-up.

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess
Sent: Thursday, September 03, 2015 10:07 PM
To: Lobdell, Danelle
Subject: GLyphosate DRAFT

Importance: High

Hi Danelle

Ex. 5 - Deliberative Process

Regards,

JR

Jess Rowland,

Deputy Director
Health Effects Division

703-308-2719

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Lobdell, Danelle
Sent: Thur 8/20/2015 8:38:10 PM
Subject: RE: Glyphosate CARC document
GLYPHOSATE Summ Table Epi Cancer Studies.xlsx
Cancer Epidemiology Summary8 20 2015.docx

Hi Jess,

Ex. 5 - Deliberative Process

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

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Research Triangle Park, NC 27711

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104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess
Sent: Thursday, August 20, 2015 9:53 AM
To: Lobdell, Danelle
Subject: RE: Glyphosate CARC document

I will call you

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Lobdell, Danelle
Sent: Thursday, August 20, 2015 9:52 AM
To: Rowland, Jess
Subject: RE: Glyphosate CARC document

Hi Jess,

Yes, 10:30 works for me. Do you want to call me or should I call you?

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess

Sent: Thursday, August 20, 2015 9:42 AM

To: Lobdell, Danelle

Subject: Glyphosate CARC document

Importance: High

Hi Danelle

Here is the outline for the Epi section of the CARC document.

Ex. 5 - Deliberative Process

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Lobdell, Danelle
Sent: Thur 8/20/2015 2:59:56 PM
Subject: RE: Glyphosate CARC document
GLYPHOSATE Summ Table 52.xlsx
Glyphosate TierII 2 5 14 (Autosaved).docx

Here is the Tier II write up and the epi table

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess
Sent: Thursday, August 20, 2015 9:42 AM
To: Lobdell, Danelle
Subject: Glyphosate CARC document
Importance: High

Hi Danelle

Here is the outline for the Epi section of the CARC document.

Ex. 5 - Deliberative Process

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director

Health Effects Division
703-308-2719

To: Vogel, Dana[Vogel.Dana@epa.gov]
From: Rowland, Jess
Sent: Thur 4/7/2016 12:56:37 PM
Subject: RE: Confidential-HED nominations for non-opp awards

Hi Dana

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Vogel, Dana
Sent: Tuesday, April 05, 2016 3:58 PM
To: OPP HED Managers <OPP_HED_Managers@epa.gov>; Lowit, Anna
<Lowit.Anna@epa.gov>; Mendez, Elizabeth <Mendez.Elizabeth@epa.gov>
Subject: Confidential-HED nominations for non-opp awards

Here's what I have...

Let me know if I missed anyone.

Thanks,

Dv

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Director, Health Effects Division

Office of Pesticide Programs

USEPA

703-305-0874

To: May, Brenda[May.Brenda@epa.gov]
From: Rowland, Jess
Sent: Wed 12/9/2015 2:13:45 PM
Subject: Fwd: Glyphosate- Response to JJ's Questions
[Glyphosate Response to JJ Questions JR 12 3 15 WJ.docx](#)
[ATT00001.htm](#)

Sent from my iPhone

Begin forwarded message:

From: "Jordan, William" <Jordan.William@epa.gov>
Date: December 9, 2015 at 8:56:50 AM EST
To: "Rowland, Jess" <Rowland.Jess@epa.gov>, "Housenger, Jack" <Housenger.Jack@epa.gov>, "Vogel, Dana" <Vogel.Dana@epa.gov>
Subject: RE: Glyphosate- Response to JJ's Questions

Jess –

| | |
|-------------------------------------|---------|
| Ex. 5 - Deliberative Process | I still |
|-------------------------------------|---------|

have a few suggested edits. See the attached file.

Thanks,

Bill

William Jordan

Deputy Director, Programs

Office of Pesticide Programs

U. S. Environmental Protection Agency

Phone: 703-305-1049

Fax: 703-308-4776

Mailing Address:

Courier Address:

USEPA Headquarters

Potomac Yards South

Clinton Building

2777 Crystal Drive

1200 Pennsylvania Ave., NW

Room 12-235

Mail Code (7501P)

Arlington, VA

Washington, DC 20460

From: Rowland, Jess

Sent: Thursday, December 03, 2015 3:01 PM

To: Housenger, Jack <Housenger.Jack@epa.gov>; Jordan, William
<Jordan.William@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>

Subject: Glyphosate- Response to JJ's Questions

Importance: High

HI JJD

Here is the revised version incorporating/addressing Bill's comments/ recommendations.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Wood, Charles[Wood.Charles@epa.gov]
From: Rowland, Jess
Sent: Thur 11/19/2015 9:11:45 PM
Subject: Re: a few additional notes on glyphosate

Charles
Thanks so much. Great help as usual. When is the briefing
JR

Sent from my iPhone

On Nov 19, 2015, at 3:33 PM, Wood, Charles <Wood.Charles@epa.gov> wrote:

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

--Charles

To: Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Rowland, Jess
Sent: Tue 11/3/2015 4:40:51 PM
Subject: RE: slides

Danelle

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Lobdell, Danelle
Sent: Tuesday, November 03, 2015 11:13 AM
To: Rowland, Jess <Rowland.Jess@epa.gov>
Subject: RE: slides

Hi Jess,

Ex. 5 - Deliberative Process

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess

Sent: Tuesday, November 03, 2015 9:32 AM

To: Lobdell, Danelle <Lobdell.Danelle@epa.gov>

Subject: slides

Importance: High

Hi

Pl. feel free to make changes

Ex. 5 - Deliberative Process

thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Brunsman, Lori[Brunsmann.Lori@epa.gov]; Kidwell, Jessica[kidwell.jessica@epa.gov]
From: Rowland, Jess
Sent: Wed 9/23/2015 4:22:30 PM
Subject: RE: Glyphosate

Hi LB

Thanks. No hurry for QA. Can be done next week. This is more for documentation so not time sensitive.

JR

Sent from my Windows Phone

From: Brunsmann, Lori
Sent: 9/23/2015 12:17 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Jess –

Attached is the draft Glyphosate qual memo I sent to Jessica for QA. With all of the heartburn over the final CARC draft on the Sharepointless site, I don't know if she'll get the QA of the qual memo done before I leave at 2:00 today.

Have a great day!

Lori

Lori Brunsman, Statistician and Project Officer
Science Information Management Branch
Health Effects Division
Office of Pesticide Programs

Office of Chemical Safety and Pollution Prevention

Environmental Protection Agency
One Potomac Yard S-10934

brunsman.lori@epa.gov
703-308-2902

"When you have more than you need, build a longer table, not a higher fence."

From: Rowland, Jess
Sent: Friday, September 18, 2015 11:53 AM
To: Brunsman, Lori
Subject: Glyphosate
Importance: High

LB

Don't know if u r working at home or compressed. IF either, can u please do this for me Monday

Ex. 5 - Deliberative Process

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Shah, Pv[Shah.Pv@epa.gov]
From: Rowland, Jess
Sent: Mon 9/21/2015 5:20:03 PM
Subject: RE: Glyphosate- Classification Narrative

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Shah, Pv
Sent: Monday, September 21, 2015 12:28 PM
To: Rowland, Jess
Subject: Re: Glyphosate- Classification Narrative

your note came when we are talking about glyphosate.. what a coincidence

From: Rowland, Jess
Sent: Monday, September 21, 2015 12:24 PM
To: OPP HED CARC; Lobdell, Danelle
Subject: Glyphosate- Classification Narrative

Hello CARCeers

Here is the narrative that will go into the CARC document.

I want to get this out for your comments since this "blurb" has to go into the risk assessment document which is due before the Pope get it !!!

So, u know what that means.....I need your comments by COB. It is not long...so u should make it !!

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Ex. 5 - Deliberative Process

To: Valdez, Judith[Valdez.Judith@epa.gov]
From: Rowland, Jess
Sent: Mon 9/21/2015 1:07:22 PM
Subject: FW: Glypho
Glyphosate CARC DRAFT 9 9 15 JR_cw2.docx

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Wood, Charles
Sent: Sunday, September 20, 2015 10:39 PM
To: Rowland, Jess
Subject: Re: Glypho

Hi Jess,

Ex. 5 - Deliberative Process

I could not figure out how to access more recent CARC draft on SharePoint. If you or Jessica can send this to me I will review and return asap.

--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 5:52 PM
To: Wood, Charles
Subject: RE: Glypho

Thanks Charles.

Sent from my Windows Phone

From: Wood, Charles
Sent: 9/18/2015 5:38 PM
To: Rowland, Jess
Subject: Re: Glypho

Hi Jess,

Sorry for late reply -- was out of office today. I will get something to you by late Sun.

--Charles

From: Rowland, Jess
Sent: Friday, September 18, 2015 7:43 AM
To: Wood, Charles
Subject: Glypho

Hi Charles

Ex. 5 - Deliberative Process

We need to get this report out Monday....due to the Papal visit and Teleworking

Thanks

JR

Jess Rowland,

Deputy Director
Health Effects Division

703-308-2719

To: Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Rowland, Jess
Sent: Tue 9/8/2015 9:53:19 PM
Subject: RE: Glyphosate DRAFT

Hi Danelle

Thank you very much

Regards

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Lobdell, Danelle
Sent: Tuesday, September 08, 2015 5:43 PM
To: Rowland, Jess
Subject: RE: Glyphosate DRAFT

Hi Jess,

Here are my edits to the epi section of the write-up.

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess

Sent: Thursday, September 03, 2015 10:07 PM

To: Lobdell, Danelle

Subject: GLyphosate DRAFT

Importance: High

Hi Danelle

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

We can discuss this on Tuesday

Regards,

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Rowland, Jess
Sent: Fri 9/4/2015 2:06:32 AM
Subject: GLyphosate DRAFT
Glyphosate DRAFT 9.3.15 JR.docx

Hi Danelle

Ex. 5 - Deliberative Process

We can discuss this on Tuesday

Regards,

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Rowland, Jess
Sent: Thur 8/20/2015 1:52:57 PM
Subject: RE: Glyphosate CARC document

I will call you

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

From: Lobdell, Danelle
Sent: Thursday, August 20, 2015 9:52 AM
To: Rowland, Jess
Subject: RE: Glyphosate CARC document

Hi Jess,

Yes, 10:30 works for me. Do you want to call me or should I call you?

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Rowland, Jess

Sent: Thursday, August 20, 2015 9:42 AM

To: Lobdell, Danelle

Subject: Glyphosate CARC document

Importance: High

Hi Danelle

Here is the outline for the Epi section of the CARC document.

I have put in some text to lead into your assessment.

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Lobdell, Danelle[Lobdell.Danelle@epa.gov]
From: Rowland, Jess
Sent: Thur 8/20/2015 1:41:49 PM
Subject: Glyphosate CARC document

Hi Danelle

Here is the outline for the Epi section of the CARC document.

I have put in some text to lead into your assessment.

I am free from 10:30 to 11:00 am. Is this a suitable time for us to discuss...

Thanks

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

To: Bahadori, Tina[Bahadori.Tina@epa.gov]
Cc: Vogel, Dana[Vogel.Dana@epa.gov]; Dawson, Jeffrey[Dawson.Jeff@epa.gov]; Rowland, Jess[Rowland.Jess@epa.gov]
From: Smith, Charles
Sent: Tue 11/3/2015 1:17:18 PM
Subject: Draft Human Health Risk Assessment for Glyphosate
[417300 2015-10-01 TXR0057299.pdf](#)
[Glyphosate Draft Final Risk assessment - 2-Nov-2015 \(II\).docx](#)

Tina,

Attached you will find the draft human health risk assessment for glyphosate as well as the recently completed cancer review (CARC) document. I believe Dana had contacted you to let you know that we would be sending this to you.

Ex. 5 - Deliberative Process

Please feel free to contact me via email or phone if you have any specific questions about the risk assessment or how it was performed. Thanks and have a great day!

Charles “ Billy” Smith

Branch Chief RAB1

Health Effects Division

Office of Pesticide Programs

703-305-0291

To: Wray, Austin[Wray.Austin@epa.gov]
From: Smith, Charles
Sent: Wed 9/16/2015 9:53:06 AM
Subject: RE: Ivans Aggregated Assessment
[D415812.mem.docx](#)

You are the risk assessor so that would be your job! ☺

We can sit down and go over this fairly easily as this one should be simple. I am in all morning today but will be at the glyphosate CARC. We can talk Thursday if you are in as I will be here all day.

I have included a Spinosad RA that you could use to look at the aggregate section.

Charles “ Billy” Smith

Branch Chief RAB4

Health Effects Division

Office of Pesticide Programs

703-305-0291

From: Wray, Austin
Sent: Tuesday, September 15, 2015 5:29 PM
To: Smith, Charles
Subject: Ivans Aggregated Assessment

Hi Billy,

Ex. 5 - Deliberative Process

Austin

Austin Wray, Ph.D.

Toxicologist

Office of Pesticide Programs

Health Effects Division

(703) 347-8077

To: Cyran, Carissa[Cyran.Carissa@epa.gov]
From: Smith, Charles
Sent: Mon 3/23/2015 2:59:46 PM
Subject: RE:

Ex. 5 - Deliberative Process

Sent from my Windows Phone

From: Cyran, Carissa
Sent: 3/23/2015 10:57 AM
To: Smith, Charles
Subject: RE:

Ex. 5 - Deliberative Process

Hopefully you are off on vacation and doing something fun!

Carissa

From: Smith, Charles
Sent: Monday, March 23, 2015 10:55 AM
To: Cyran, Carissa
Subject: RE:

Ex. 5 - Deliberative Process

Sent from my Windows Phone

From: Cyran, Carissa
Sent: 3/23/2015 10:49 AM
To: Smith, Charles
Subject: FW:

Good morning, Billy,

Ex. 5 - Deliberative Process

Carissa

From: JENKINS, DANIEL J [AG/1920] [<mailto:daniel.j.jenkins@monsanto.com>]
Sent: Monday, March 23, 2015 10:10 AM
To: Goodis, Michael
Cc: Keigwin, Richard; Cyran, Carissa; Rowland, Jess; Anderson, Neil
Subject:

Mike:

Per our phone conversation. We hope EPA will correct mistakes or absences of fact with respect to its record on glyphosate (including the 2013 statement and the AHS study) as it relates to carcinogenicity.

2009 EPA Glyphosate Reg Review

Carcinogenicity was not identified as a concern in the work plan
http://www.epa.gov/oppsrrd1/registration_review/glyphosate/

2013 Federal Register Notice (FR 25396 Vol. 78, No. 84, Wednesday, May 1, 2013) Final Rule new tolerances in or on multiple commodities: "EPA has concluded that glyphosate does not pose a cancer risk to humans."

<http://www.gpo.gov/fdsys/pkg/FR-2013-05-01/pdf/2013-10316.pdf>

“For the herbicide **glyphosate**, there was *limited evidence of carcinogenicity* in humans for non-Hodgkin lymphoma. The evidence in humans is from studies of exposures, mostly agricultural, in the USA, Canada, and Sweden published since 2001. In addition, there is convincing evidence that glyphosate also can cause cancer in laboratory animals. On the basis of tumours in mice, the United States Environmental Protection Agency (US EPA) originally classified glyphosate as *possibly carcinogenic to humans* (Group C) in 1985. After a re-evaluation of that mouse study, the US EPA changed its classification to *evidence of non-carcinogenicity in humans* (Group E) in 1991. The US EPA Scientific Advisory Panel noted that the re-evaluated glyphosate results were still significant using two statistical tests recommended in the IARC Preamble. The IARC Working Group that conducted the evaluation considered the significant findings from the US EPA report and several more recent positive results in concluding that there is *sufficient evidence of carcinogenicity* in experimental animals. Glyphosate also caused DNA and chromosomal damage in human cells, although it gave negative results in tests using bacteria. One study in community residents reported increases in blood markers of chromosomal damage (micronuclei) after glyphosate formulations were sprayed nearby.”

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/abstract](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/abstract)

<http://www.iarc.fr/en/media-centre/iarcnews/pdf/MonographVolume112.pdf>

Thanks,

Dan Jenkins
U.S. Agency Lead

Regulatory Affairs
Monsanto Company
1300 I St., NW

Suite 450 East
Washington, DC 20005

Office: 202-383-2851

Cell: 571-732-6575

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To: Strauss, Linda[Strauss.Linda@epa.gov]
From: Perlis, Robert
Sent: Tue 5/3/2016 9:00:47 PM
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative/Attorney-Client

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA

(202) 564-5636

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 4:11 PM
To: Perlis, Robert <Perlis.Robert@epa.gov>
Subject: FW: Glyphosate docket QA

Ex. 5 - Deliberative/Attorney-Client

Ex. 5 - Deliberative/Attorney-Client

To: Keigwin, Richard[Keigwin.Richard@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]
From: Sisco, Debby
Sent: Tue 5/3/2016 8:00:10 PM
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Keigwin, Richard
Sent: Tuesday, May 03, 2016 3:59 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

From: Sisco, Debby
Sent: Tuesday, May 03, 2016 3:53 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Keigwin, Richard
Sent: Tuesday, May 03, 2016 3:36 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 3:32 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: Glyphosate docket QA
Importance: High

Ex. 5 - Deliberative Process

To: Keigwin, Richard[Keigwin.Richard@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
From: Sisco, Debby
Sent: Tue 5/3/2016 7:52:50 PM
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Keigwin, Richard
Sent: Tuesday, May 03, 2016 3:36 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

From: Strauss, Linda

Sent: Tuesday, May 03, 2016 3:32 PM

To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>

Subject: Glyphosate docket QA

Importance: High

Ex. 5 - Deliberative Process

To: Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Conger, Nick[Conger.Nick@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Hull, George[Hull.George@epa.gov]
From: Harrison, Melissa
Sent: Tue 5/3/2016 5:36:36 PM
Subject: RE: Chemistry World inquiry on glyphosate

Yes.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy
Sent: Tuesday, May 03, 2016 1:36 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>
Cc: Conger, Nick <Conger.Nick@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Hull, George <Hull.George@epa.gov>
Subject: Re: Chemistry World inquiry on glyphosate

Ok thanks Melissa. Ok if I send the statement to Rebecca and others?

Sent from my iPhone

On May 3, 2016, at 1:31 PM, Harrison, Melissa <Harrison.Melissa@epa.gov> wrote:

Let's keep sending our statement. Will be in touch on other issues.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy

Sent: Tuesday, May 03, 2016 12:54 PM

To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick
<Conger.Nick@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: Chemistry World inquiry on glyphosate

Importance: High

One more inquiry

From: Rebecca Trager [mailto:tragerr@rsc.org]

Sent: Tuesday, May 03, 2016 12:44 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: Chemistry World inquiry

Importance: High

Hi Cathy,

Hope you're having a good day. Just wanted to follow-up on our phone conversation. As I said, I am working on a story for Chemistry World about herbicides, and wanted to ask you about the EPA Cancer Assessment Review Committee's report on glyphosate. That report, as I understand it, was completed in October 2015, but only released yesterday. I have a copy of the report, and my understanding is that it was either posted by EPA yesterday and then taken offline quickly, or it was leaked. Can you give me a better understanding of the situation? You can reach me at this email address, or by phone at Ex. 6 - Personal Privacy

Thanks in advance,

Rebecca

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To: Harrison, Melissa[Harrison.Melissa@epa.gov]
Cc: Conger, Nick[Conger.Nick@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Hull, George[Hull.George@epa.gov]
From: Milbourn, Cathy
Sent: Tue 5/3/2016 5:35:54 PM
Subject: Re: Chemistry World inquiry on glyphosate

Ok thanks Melissa. Ok if I send the statement to Rebecca and others?

Sent from my iPhone

On May 3, 2016, at 1:31 PM, Harrison, Melissa <Harrison.Melissa@epa.gov> wrote:

Let's keep sending our statement. Will be in touch on other issues.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy
Sent: Tuesday, May 03, 2016 12:54 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: Chemistry World inquiry on glyphosate
Importance: High

One more inquiry

From: Rebecca Trager [<mailto:tragerr@rsc.org>]
Sent: Tuesday, May 03, 2016 12:44 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: Chemistry World inquiry
Importance: High

Hi Cathy,

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Ex. 6 - Personal Privacy

Thanks in advance,

Rebecca

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To: Milbourn, Cathy[Milbourn.Cathy@epa.gov]; Conger, Nick[Conger.Nick@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Harrison, Melissa
Sent: Tue 5/3/2016 5:31:57 PM
Subject: RE: Chemistry World inquiry on glyphosate

Let's keep sending our statement. Will be in touch on other issues.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy
Sent: Tuesday, May 03, 2016 12:54 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: Chemistry World inquiry on glyphosate
Importance: High

One more inquiry

From: Rebecca Trager [<mailto:tragerr@rsc.org>]
Sent: Tuesday, May 03, 2016 12:44 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: Chemistry World inquiry
Importance: High

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To: Harrison, Melissa[Harrison.Melissa@epa.gov]; Conger, Nick[Conger.Nick@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Milbourn, Cathy
Sent: Tue 5/3/2016 4:53:46 PM
Subject: FW: Chemistry World inquiry on glyphosate

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Cc: Conger, Nick[Conger.Nick@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]
From: Milbourn, Cathy
Sent: Tue 5/3/2016 2:24:46 PM
Subject: Re: Options on BNA story?

Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 10:15 AM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Ex. 5 - Deliberative Process

Linda

From: Jones, Jim
Sent: Tuesday, May 03, 2016 9:26 AM
To: Conger, Nick <Conger.Nick@epa.gov>
Cc: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
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Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Harrison, Melissa

Sent: Tuesday, May 03, 2016 9:01 AM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda
<Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>

Cc: Jones, Jim <Jones.Jim@epa.gov>

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<http://www.bna.com/epa-panel-finds-n57982070575/>

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By David Schultz

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The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that the pesticide is a "probable carcinogen" (59 DEN A-10, 3/27/15).

WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15).

The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

Monsanto Statement

"No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact," Monsanto CEO Hugh Grant said in a statement. "Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool."

The IARC did not immediately respond to requests from Bloomberg BNA for comment. The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years.

If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

Report Posted April 29

The EPA posted the cancer review committee's report April 29, along with more than a dozen other glyphosate-related documents, to Regulations.gov, an online document repository for federal agencies.

Then, after the report had been widely spread on social media, the cancer review committee's report and the other documents were removed from the EPA website on the afternoon of May 2.

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Label Changes?

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To contact the reporter on this story: David Schultz in Washington
atdschultz@bna.com

To contact the editor responsible for this story: Larry Pearl atlpearl@bna.com

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To: Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Conger, Nick[Conger.Nick@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Harrison, Melissa
Sent: Tue 5/3/2016 2:18:46 PM
Subject: Re: Options on BNA story?

I just reached out to both the reporter and editor asking for an update. Cathy-I cc'd you. I did not see this request prior.

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Label Changes?

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A [slide presentation](#) made at one of these meetings by Monsanto representatives indicated the company may be willing to make voluntary changes to the labels of its glyphosate products to address concerns that they're harming the habitats of certain pollinating insects, including the monarch butterfly.

This document, along with summaries of the discussions during the company's two meetings with EPA pesticide regulators, were among those removed from [Regulations.gov](http://www.regulations.gov).

To contact the reporter on this story: David Schultz in Washington atdschultz@bna.com

To contact the editor responsible for this story: Larry Pearl atlpearl@bna.com

For More Information

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Melissa J. Harrison

Press Secretary

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Harrison.Melissa@epa.gov

To: Conger, Nick[Conger.Nick@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Jones, Jim[Jones.Jim@epa.gov]
From: Milbourn, Cathy
Sent: Tue 5/3/2016 1:17:08 PM
Subject: RE: Options on BNA story?

I had a conversation with the copy editor Steven Gibb last night—I told him this was not final and still under review not sure what would change his mind.

Catherine C. Milbourn

U.S. EPA HQ

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202-564-7849 (office)

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Milbourn.cathy@epa.gov

From: Conger, Nick
Sent: Tuesday, May 03, 2016 9:10 AM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Jones, Jim <Jones.Jim@epa.gov>
Subject: RE: Options on BNA story?

Ex. 5 - Deliberative Process

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Harrison, Melissa

Sent: Tuesday, May 03, 2016 9:01 AM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>

Cc: Jones, Jim <Jones.Jim@epa.gov>

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<http://www.bna.com/epa-panel-finds-n57982070575/>

EPA Panel Finds Glyphosate Not Likely to Cause Cancer

From Daily Environment Report™

By David Schultz

May 2 — Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an Environmental Protection Agency review panel.

The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that the pesticide is a "probable carcinogen" (59 DEN A-10, 3/27/15).

WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations. Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15). The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

Monsanto Statement

"No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact," Monsanto CEO Hugh Grant said in a statement. "Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool."

The IARC did not immediately respond to requests from Bloomberg BNA for comment.

The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years.

If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

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Cc: Jones, Jim[Jones.Jim@epa.gov]
From: Conger, Nick
Sent: Tue 5/3/2016 1:10:06 PM
Subject: RE: Options on BNA story?

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From: Harrison, Melissa
Sent: Tuesday, May 03, 2016 9:01 AM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
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Cc: Hull, George[Hull.George@epa.gov]
From: Harrison, Melissa
Sent: Mon 5/2/2016 9:22:10 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

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Office: (202) 564-8421

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Harrison.Melissa@epa.gov

From: Conger, Nick
Sent: Monday, May 02, 2016 5:20 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
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Nick Conger

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From: Strauss, Linda
Sent: Monday, May 02, 2016 5:19 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Yes, thanks.

From: Harrison, Melissa
Sent: Monday, May 02, 2016 5:18 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
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From: Strauss, Linda

Sent: Monday, May 02, 2016 5:07 PM

To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy
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Subject: FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
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To: Conger, Nick[Conger.Nick@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 9:21:37 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ok – got it!

Catherine C. Milbourn

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To: Strauss, Linda[Strauss.Linda@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov];
Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Conger, Nick
Sent: Mon 5/2/2016 9:20:26 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
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Cc: Hull, George[Hull.George@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 9:17:57 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
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Melissa making change

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To: Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Keigwin, Richard[Keigwin.Richard@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]
From: Sisco, Debby
Sent: Mon 5/2/2016 9:12:18 PM
Subject: Re: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

OK now atrazine!

Sent from my iPhone

On May 2, 2016, at 5:08 PM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Thanks, all. Thanks. Spoke to Rick then Jim and here's what we agreed to send.
Linda

From: Strauss, Linda
Sent: Monday, May 02, 2016 5:07 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
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From: Milbourn, Cathy
Sent: Mon 5/2/2016 9:08:02 PM
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Ex. 5 - Deliberative Process

To: Han, Kaythi[Han.Kaythi@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
From: Sisco, Debby
Sent: Mon 5/2/2016 8:33:42 PM
Subject: Re: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

I passed on Ricks input to Darlene.

Sent from my iPhone

On May 2, 2016, at 4:13 PM, Han, Kaythi <Han.Kaythi@epa.gov> wrote:

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Monday, May 02, 2016 4:12 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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From: Keigwin, Richard
Sent: Monday, May 02, 2016 3:51 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Rick Keigwin
Deputy Director for Programs
Office of Pesticide Programs
US Environmental Protection Agency

Sent from my Windows Phone

From: [Sisco, Debby](#)
Sent: 5/2/2016 3:04 PM
To: [Keigwin, Richard](#)
Cc: [Keltz, Colleen](#); [Dinkins, Darlene](#); [Strauss, Linda](#); [Han, Kaythi](#)
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:53 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Sent: Monday, May 02, 2016 2:40 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
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Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne
<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS

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<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy
<Milbourn.Cathy@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

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Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne
<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

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Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Conger, Nick[Conger.Nick@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]; Perry, Dale[Perry.Dale@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 8:12:06 PM
Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

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To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Thanks Cathy.

Linda: Can you provide a statement on this? We also have an inquiry from The Hill:

- First off, I want to make sure I understand what exactly this is. It appears that it's an advisory opinion meant to inform EPA's regulatory actions on glyphosate, but it is not a final decision itself. Is that true?

- Second, this looks like it's dated from October. Why is it just coming out now, and only through the rulemaking docket?

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 3:34 PM

To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html



CENTER for BIOLOGICAL DIVERSITY

Because

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, ndonley@biologicaldiversity.org

EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

PORTLAND, Ore.— An EPA analysis relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

“We shouldn’t gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate,” said Donley. “The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end.”

The EPA’s industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a letter to EPA Administrator Gina

McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by glyphosate was 1993.

The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.

Alaska • Arizona • California • Florida • Minnesota • Nevada • New Mexico • New York • Oregon • Vermont • Washington
P.O. Box 710 • Tucson, AZ 85702-0710 tel: (520) 623.5252 fax: (520) 623.9797 www.BiologicalDiversity.org

You are subscribed to Center-Plus@list.diversity.org

To: Strauss, Linda[Strauss.Linda@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]
Cc: Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 7:38:39 PM
Subject: FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

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Reuters Freelancer

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Alaska . Arizona . California . Florida . Minnesota . Nevada . New Mexico . New York . Oregon . Vermont . Washi
P.O. Box 710 . Tucson, AZ 85702-0710 tel: (520) 623.5252 fax: (520) 623.9797 www.BiologicalDiv

_____ You are subscribed to Center-Plus@list.diversity.org

To: Sisco, Debby[Sisco.Debby@epa.gov]
Cc: Keltz, Colleen[Keltz.Colleen@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 6:52:49 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Hi Cathy,

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U.S. EPA HQ

Office of the Administrator

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Good afternoon,

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Thanks,

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From: Han, Kaythi
Sent: Mon 5/2/2016 6:50:17 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ha! Hardly the expert! I just know who to ask :)

From: Strauss, Linda
Sent: Monday, May 02, 2016 2:22 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Thanks, Kaythi. I told Cathy to email you directly since you are responsive and the expert! ☺ ☺

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Thanks,

Rebecca

To: Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Strauss, Linda[Strauss.Linda@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 6:21:35 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

Ex. 5 - Deliberative Process

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 2:13 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 1:39 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda

Sent: Monday, May 02, 2016 1:33 PM

To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Han, Kaythi[Han.Kaythi@epa.gov]
Cc: Strauss, Linda[Strauss.Linda@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 6:13:29 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 1:39 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda

Sent: Monday, May 02, 2016 1:33 PM

To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Thanks,

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To: Han, Kaythi[Han.Kaythi@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]
Cc: Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Milbourn, Cathy
Sent: Mon 5/2/2016 6:09:07 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:46 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:41 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Yay, Kaythi! Thanks.

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:39 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

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Sent: Monday, May 02, 2016 1:28 PM
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Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Thanks,

Rebecca

To: Han, Kaythi[Han.Kaythi@epa.gov]; Strauss, Linda[Strauss.Linda@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Sisco, Debby
Sent: Mon 5/2/2016 5:57:58 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:46 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:41 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Yay, Kaythi! Thanks.

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:39 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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From: Milbourn, Cathy

Sent: Monday, May 02, 2016 1:28 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Thanks,

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Cc: Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 5:46:15 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:41 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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From: Milbourn, Cathy

Sent: Monday, May 02, 2016 1:28 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Cc: Strauss, Linda[Strauss.Linda@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Han, Kaythi
Sent: Mon 5/2/2016 5:38:51 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Kaythi

From: Strauss, Linda
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To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
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To: Strauss, Linda <Strauss.Linda@epa.gov>
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From: Han, Kaythi
Sent: Mon 5/2/2016 5:36:45 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Linda,

I don't think it's in our docket yet. I can send Cathy the link from IARC's website and copy everyone.

Kaythi

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:33 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Thanks,

Rebecca

To: Perlis, Robert[Perlis.Robert@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 9:02:00 PM
Subject: RE: Glyphosate docket QA

thanks

From: Perlis, Robert
Sent: Tuesday, May 03, 2016 5:01 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process/Attorney-client

Bob Perlis

Pesticides and Toxic Substances Law Office

Office of General Counsel

US EPA

(202) 564-5636

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 4:11 PM
To: Perlis, Robert <Perlis.Robert@epa.gov>
Subject: FW: Glyphosate docket QA

Ex. 5 - Deliberative Process/Attorney-client

Ex. 5 - Deliberative Process/Attorney-client

To: Sisco, Debby[Sisco.Debby@epa.gov]; Keigwin, Richard[Keigwin.Richard@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 8:08:47 PM
Subject: RE: Glyphosate docket QA

Thanks!

From: Sisco, Debby
Sent: Tuesday, May 03, 2016 4:04 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>
Cc: Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: FW: Glyphosate docket QA

Revised Q&A

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Keigwin, Richard
Sent: Tuesday, May 03, 2016 3:36 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: RE: Glyphosate docket QA

Works for me. Debby may have some edits, but I think that, factually, this is correct.

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 3:32 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: Glyphosate docket QA
Importance: High

Ex. 5 - Deliberative Process

To: Keigwin, Richard[Keigwin.Richard@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 7:53:28 PM
Subject: RE: Glyphosate docket QA

Debby?

From: Keigwin, Richard
Sent: Tuesday, May 03, 2016 3:36 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: RE: Glyphosate docket QA

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 3:32 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Subject: Glyphosate docket QA
Importance: High

Ex. 5 - Deliberative Process

To: Keigwin, Richard[Keigwin.Richard@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 7:32:16 PM
Subject: Glyphosate docket QA

Ex. 5 - Deliberative Process

To: Jones, Jim[Jones.Jim@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 4:19:17 PM
Subject: RE: glyphosate docket news

Ex. 5 - Deliberative Process

From: Jones, Jim
Sent: Tuesday, May 03, 2016 12:04 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Subject: Re: glyphosate docket news

Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 11:33 AM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:



EPA
takes
offline
report
that
says
glyphosate
not
likely
carcinogenic

CattleNetwork.com -
13
minutes
ago

The 86-
page
report,

seen
by
Reuters
and
published
on
Friday
on the
[regulations.gov](http://www.regulations.gov)
website
that
the
EPA
manages,
was
from
the
EPA's
cancer
assessment
review
committee
(CARC).
It
found
that
glyphosate,
the
active
ingredient
in the
world's
mostly
widely ...

EPA
Quickly
Takes
Study
Offline
Showing
No
Evidence
Weed
Killer
Causes
Cancer

Daily
Caller -
49
minutes
ago

The
CARC
study
ripped
offline
by
EPA,
however,
rebutted
IARC's
conclusions,
saying
they
were
based
on
flawed
studies,
some
of
which
weren't
even
reproduced
by
other
scientists.
CARC
ultimately
ruled
glyphosate
is "not
likely
to be
carcinogenic
in ...

EPA
Takes
Down
Report
Saying
Glyphosate
Not
Carcinogenic

KTIC -
1 hour
ago

The 86-
page

report,
seen
by
Reuters
and
published
on
Friday
on the
[regulations.gov](https://www.regulations.gov)
website
that
the
EPA
manages,
was
from
the
EPA's
cancer
assessment
review
committee
(CARC).
It
found
that
glyphosate,
the
active
ingredient
in the
world's
mostly
widely ...

EPA's
glyphosate
cancer
finding
not
ready
for
primetime

Político -
1 hour
ago

EPA'S
GLYPHOSATE
CANCER
FINDING

NOT
READY
FOR
PRIMETIME:
The
EPA
has
made
a
preliminary
finding
that
glyphosate
is
unlikely
to
cause
cancer
in
humans
— but
the
agency
isn't
ready
to go
public
yet.
The
EPA
briefly
posted
to the
regulatory ...

Glyphosate
'not
likely
to be
carcinogenic
to
humans'

Farm
Futures -
1 hour
ago

This
determination
is the
published
conclusion
of

EPA's
Cancer
Assessment
Review
Committee
(CARC)
and is
based
on the
overwhelming
weight
of
evidence
on
glyphosate.
EPAs
Cancer
Assessment
Review
Committee
did not
find a
causal
relationship ...

[<image002.jpg>](#)

EPA
pulls
report
that
says
glyphosate
not
likely
carcinogenic

AG
Week -
1 hour
ago

The 86-
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glyphosate,

the

active

ingredient

in the

world's

mostly

widely ...

EPA

Panel

Finds

Glyphosate

Not

Likely

to

Cause

Cancer

Bloomberg

BNA -

3

hours

ago

May 2

â€”

Glyphosate,

a weed

killer

developed

by

Monsanto

that is

now

the
most
widely
used
pesticide
in the
U.S.,
likely
does
not
cause
cancer,
according
to an
Environmental
Protection
Agency
review
panel.
The
EPA's
Cancer
Assessment
Review ...

EPA
takes
offline
a
report
that
says
glyphosate
not
likely
carcinogenic

EconomyNext -
10
hours
ago

The 86-
page
report,
seen
by
Reuters
and
published
on
Friday
on the

regulations.gov
website
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the
EPA
manages,
was
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the
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review
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(CARC).
It
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[<image003.jpg>](#)

EPA
takes
offline
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Business
Insider -
12
hours
ago

The 86-
page
report,
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[<image004.jpg>](#)

EPA
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STLtoday.com -
11
hours
ago

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What
Is
Going
On
With
Glyphosate?
EPA's
Odd
Handling
of
Controversial
Chemical

U.S.
Right
to
Know
(press
release)

(blog) -
11
hours
ago

On
Friday,
April
29, the
EPA
posted
on its
website
a
series
of
documents
related
to its
long-
awaited
risk
assessment
for
glyphosate,
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in
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around
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The
risk ...

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Town
Hall -
14
hours
ago

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[<image005.jpg>](#)

What
Is

Going
On
With
Glyphosate?
EPA's
Odd
Handling
of
Controversial
Chemical

Huffington
Post -
14
hours
ago

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The
risk ...

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EPA
takes
offline
report
that
says
glyphosate
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carcinogenic

Channel
News
Asia -
14
hours
ago

The
U.S.
Environmental
Protection
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chemical, ...

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EPA
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Reuters
UK -
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WHTC -
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WHBL
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KDAL -
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CHICAGO
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EPA
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Yahoo
News -
14
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CHICAGO,
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(Reuters) -
The
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EPA
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Daily
Mail -
14
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The 86-
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[regulations.gov](https://www.epa.gov/regulations)
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Reuters
Africa -
14
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CHICAGO
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Reuters -
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Thomson
Reuters
Foundation -
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Once
Again,
EPA
Concludes
That
Glyphosate
Does
Not
Cause
Cancer

Digital
Journal -
18
hours
ago

ST.
LOUIS--
(Business
Wire)--
As part
of its
ongoing
registration
review
of the
herbicide
glyphosate,
the
U.S.
Environmental
Protection

Agency
(EPA)
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Likely
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release) -
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glyphosate
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Likely
to be
Carcinogenic
to
Humans."
12Next

The selection and placement of stories on this page were determined automatically by a computer program.

To: Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Conger, Nick[Conger.Nick@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 2:27:38 PM
Subject: RE: Options on BNA story?

Ex. 5 - Deliberative Process

From: Milbourn, Cathy
Sent: Tuesday, May 03, 2016 10:25 AM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Conger, Nick <Conger.Nick@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>
Subject: Re: Options on BNA story?

Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 10:15 AM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Cathy, David Schultz links to the CARC document (he downloaded it), as well as meeting notes from EPA/Monsanto, presentation.

Ex. 5 - Deliberative Process

Linda

From: Jones, Jim
Sent: Tuesday, May 03, 2016 9:26 AM
To: Conger, Nick <Conger.Nick@epa.gov>
Cc: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: Re: Options on BNA story?

I agree with Nick.

Sent from my iPhone

On May 3, 2016, at 9:10 AM, Conger, Nick <Conger.Nick@epa.gov> wrote:

Ex. 5 - Deliberative Process

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Harrison, Melissa

Sent: Tuesday, May 03, 2016 9:01 AM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda
<Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>

Cc: Jones, Jim <Jones.Jim@epa.gov>

Subject: Options on BNA story?

Ex. 5 - Deliberative Process

<http://www.bna.com/epa-panel-finds-n57982070575/>

EPA Panel Finds Glyphosate Not Likely to Cause Cancer

From Daily Environment Report™

By David Schultz

May 2 — Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an Environmental Protection Agency review panel.

The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that the pesticide is a "probable carcinogen" (59 DEN A-10, 3/27/15).

WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15).

The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

Monsanto Statement

"No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact," Monsanto CEO Hugh Grant said in a statement. "Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool."

The IARC did not immediately respond to requests from Bloomberg BNA for comment. The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years.

If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

Report Posted April 29

The EPA posted the cancer review committee's report April 29, along with more than a dozen other glyphosate-related documents, to [Regulations.gov](#), an online document

repository for federal agencies.

Then, after the report had been widely spread on social media, the cancer review committee's report and the other documents were removed from the EPA website on the afternoon of May 2.

"Preliminary glyphosate documents were inadvertently posted to the Agency's docket," EPA spokeswoman Melissa Harrison told Bloomberg BNA via e-mail. "These documents have now been taken down because our assessment is not final."

Label Changes?

Some of the other documents the EPA briefly made public pertained to two meetings pesticide regulators held with Monsanto representatives in the year after the IARC review was published.

A slide presentation made at one of these meetings by Monsanto representatives indicated the company may be willing to make voluntary changes to the labels of its glyphosate products to address concerns that they're harming the habitats of certain pollinating insects, including the monarch butterfly.

This document, along with summaries of the discussions during the company's two meetings with EPA pesticide regulators, were among those removed from Regulations.gov.

To contact the reporter on this story: David Schultz in Washington
atdschultz@bna.com

To contact the editor responsible for this story: Larry Pearl at atlpearl@bna.com

For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

A brief summary of EPA's meeting March 30, 2015, with Monsanto representatives is available at <http://src.bna.com/eBJ>.

A brief summary of EPA's meeting June 4, 2015, with Monsanto representatives is available at <http://src.bna.com/eBL>.

A copy of the slide presentation Monsanto representatives made for EPA pesticide regulators last year is available at <http://src.bna.com/eBx>.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

To: Perlis, Robert[Perlis.Robert@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 2:20:37 PM
Subject: FW: Options on BNA story?

Ex. 5 - Deliberative Process/Attorney-client

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A brief summary of EPA's meeting March 30, 2015, with Monsanto representatives is available at <http://src.bna.com/eBJ>.

A brief summary of EPA's meeting June 4, 2015, with Monsanto representatives is available at <http://src.bna.com/eBL>.

A copy of the slide presentation Monsanto representatives made for EPA pesticide regulators last year is available at <http://src.bna.com/eBx>.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

To: Conger, Nick[Conger.Nick@epa.gov]
Cc: Harrison, Melissa[Harrison.Melissa@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 2:15:18 PM
Subject: RE: Options on BNA story?

Cathy, David Schultz links to the CARC document (he downloaded it), as well as meeting notes from EPA/Monsanto, presentation.

Ex. 5 - Deliberative Process

Linda

From: Jones, Jim
Sent: Tuesday, May 03, 2016 9:26 AM
To: Conger, Nick <Conger.Nick@epa.gov>
Cc: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: Re: Options on BNA story?

Ex. 5 - Deliberative Process

Sent from my iPhone

On May 3, 2016, at 9:10 AM, Conger, Nick <Conger.Nick@epa.gov> wrote:

Ex. 5 - Deliberative Process

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Harrison, Melissa
Sent: Tuesday, May 03, 2016 9:01 AM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Cc: Jones, Jim <Jones.Jim@epa.gov>
Subject: Options on BNA story?

Ex. 5 - Deliberative Process

<http://www.bna.com/epa-panel-finds-n57982070575/>

EPA Panel Finds Glyphosate Not Likely to Cause Cancer

From Daily Environment Report™

By David Schultz

May 2 — Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an Environmental Protection Agency review panel.

The EPA's Cancer Assessment Review Committee made the determination after analyzing several dozen published and unpublished scientific studies of the chemical. The committee finalized its report on Oct. 1, 2015, but did not release it to the public until late April, when the agency inadvertently posted the report online.

The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer (IARC), which found that the pesticide is a "probable carcinogen" (59 DEN A-10, 3/27/15).

WHO's Findings Disputed

The EPA cancer review committee, led by staffers from the Health Effects Division of the agency's Office of Pesticide Programs, poked a number of holes in the methodology used by IARC for its review of glyphosate, which is the active ingredient in Monsanto's Roundup herbicide as well as hundreds of other products made by dozens of other companies.

For example, the EPA report noted that the IARC scientists disregarded several studies on the effects of exposure to glyphosate because these studies showed no positive results. The EPA report also said the studies IARC chose to include in its review had significant limitations.

Release of the IARC finding on glyphosate had serious negative consequences for the agricultural chemical industry.

It was the basis for a decision by California to require all products containing glyphosate to be listed as carcinogenic, a decision that Monsanto is challenging in court (173 DEN A-6, 9/8/15).

The IARC finding also led to numerous product liability lawsuits against Monsanto from people arguing that exposure to the company's pesticide was the cause of their illnesses (230 DEN A-9, 12/1/15).

Monsanto Statement

"No pesticide regulator in the world considers glyphosate to be a carcinogen, and this conclusion by the U.S. EPA once again reinforces this important fact," Monsanto CEO Hugh Grant said in a statement. "Unfortunately, last year's inconsistent classification by IARC generated unwarranted concern and confusion about this important agricultural tool." The IARC did not immediately respond to requests from Bloomberg BNA for comment. The EPA review committee's findings are part of a broader look by the agency at the overall health and environmental effects of glyphosate as a part of its registration review program, which conducts risk reviews of every pesticide chemical once every 15 years. If the EPA determines that the science shows that the way glyphosate is being used now exceeds acceptable risks, it can enact use restrictions on the chemical or take it off the market altogether.

Report Posted April 29

The EPA posted the cancer review committee's report April 29, along with more than a dozen other glyphosate-related documents, to [Regulations.gov](http://www.regulations.gov), an online document repository for federal agencies.

Then, after the report had been widely spread on social media, the cancer review committee's report and the other documents were removed from the EPA website on the afternoon of May 2.

"Preliminary glyphosate documents were inadvertently posted to the Agency's docket," EPA spokeswoman Melissa Harrison told Bloomberg BNA via e-mail. "These documents have now been taken down because our assessment is not final."

Label Changes?

Some of the other documents the EPA briefly made public pertained to two meetings pesticide regulators held with Monsanto representatives in the year after the IARC review was published.

A [slide presentation](#) made at one of these meetings by Monsanto representatives indicated the company may be willing to make voluntary changes to the labels of its glyphosate products to address concerns that they're harming the habitats of certain pollinating insects, including the monarch butterfly.

This document, along with summaries of the discussions during the company's two meetings with EPA pesticide regulators, were among those removed from [Regulations.gov](http://www.regulations.gov).

To contact the reporter on this story: David Schultz in Washington atdschultz@bna.com

To contact the editor responsible for this story: Larry Pearl atlpearl@bna.com

For More Information

A copy of the EPA's Cancer Assessment Review Committee report on glyphosate is available at <http://src.bna.com/eAi>.

A brief summary of EPA's meeting March 30, 2015, with Monsanto representatives is available at <http://src.bna.com/eBJ>.

A brief summary of EPA's meeting June 4, 2015, with Monsanto representatives is available at <http://src.bna.com/eBL>.

A copy of the slide presentation Monsanto representatives made for EPA pesticide regulators last year is available at <http://src.bna.com/eBx>.

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

To: Dunton, Cheryl[Dunton.Cheryl@epa.gov]
From: Strauss, Linda
Sent: Tue 5/3/2016 11:49:53 AM
Subject: Re: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Yes we may have another desk statement today on that. Stay tuned

Sent from my iPhone

On May 3, 2016, at 7:31 AM, Dunton, Cheryl <Dunton.Cheryl@epa.gov> wrote:

From Debby's email, looks like atrazine was too.

From: Strauss, Linda
Sent: Tuesday, May 03, 2016 7:20 AM
To: Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Subject: Fwd: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

This was the emergency du jour yesterday

Sent from my iPhone

Begin forwarded message:

From: "Strauss, Linda" <Strauss.Linda@epa.gov>
Date: May 2, 2016 at 5:07:14 PM EDT
To: "Harrison, Melissa" <Harrison.Melissa@epa.gov>, "Milbourn, Cathy" <Milbourn.Cathy@epa.gov>
Subject: FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Harrison, Melissa[Harrison.Melissa@epa.gov]; Conger, Nick[Conger.Nick@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 9:27:09 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Linda

From: Harrison, Melissa
Sent: Monday, May 02, 2016 5:22 PM
To: Conger, Nick <Conger.Nick@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Conger, Nick
Sent: Monday, May 02, 2016 5:20 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

From: Strauss, Linda
Sent: Monday, May 02, 2016 5:19 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Yes, thanks.

From: Harrison, Melissa
Sent: Monday, May 02, 2016 5:18 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>

Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 5:08 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>;
Conger, Nick <Conger.Nick@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Adding Nick.

From: Strauss, Linda
Sent: Monday, May 02, 2016 5:07 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy
<Milbourn.Cathy@epa.gov>
Subject: FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Harrison, Melissa[Harrison.Melissa@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]; Conger, Nick[Conger.Nick@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 9:19:02 PM
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Yes, thanks.

From: Harrison, Melissa
Sent: Monday, May 02, 2016 5:18 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>
Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Melissa J. Harrison

Press Secretary

U.S. Environmental Protection Agency

Office: (202) 564-8421

Mobile: (202) 697-0208

Harrison.Melissa@epa.gov

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 5:08 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>;
Conger, Nick <Conger.Nick@epa.gov>

Cc: Hull, George <Hull.George@epa.gov>

Subject: RE: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Adding Nick.

From: Strauss, Linda

Sent: Monday, May 02, 2016 5:07 PM

To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Milbourn, Cathy
<Milbourn.Cathy@epa.gov>

Subject: FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Harrison, Melissa[Harrison.Melissa@epa.gov]; Milbourn, Cathy[Milbourn.Cathy@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 9:07:14 PM
Subject: FW: DESK STATEMENT Cancer Assessment Review Committee on Glyphosate
BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Strauss, Linda[Strauss.Linda@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:48:56 PM
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Keigwin, Richard
Sent: Monday, May 02, 2016 3:51 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Rick Keigwin
Deputy Director for Programs
Office of Pesticide Programs
US Environmental Protection Agency

Sent from my Windows Phone

From: [Sisco, Debby](#)
Sent: 5/2/2016 3:04 PM
To: [Keigwin, Richard](#)
Cc: [Keltz, Colleen](#); [Dinkins, Darlene](#); [Strauss, Linda](#); [Han, Kaythi](#)
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:53 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Sisco, Debby
Sent: Monday, May 02, 2016 2:40 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:22 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 2:13 PM

To: Han, Kaythi <Han.Kaythi@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 1:39 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins,

Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda

Sent: Monday, May 02, 2016 1:33 PM

To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 1:28 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Harrison, Melissa[Harrison.Melissa@epa.gov]
Cc: Jones, Jim[Jones.Jim@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:46:56 PM
Subject: FW: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

From: Jones, Jim
Sent: Monday, May 02, 2016 4:30 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>
Subject: Re: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

Sent from my iPhone

On May 2, 2016, at 4:04 PM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

From: Strauss, Linda
Sent: Monday, May 02, 2016 3:56 PM
To: Jones, Jim <Jones.Jim@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>
Subject: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer
Importance: High

We are figuring this out and will draft a desk statement

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 3:39 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 3:34 PM
To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html

<image001.gif>

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, ndonley@biologicaldiversity.org

EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

PORTLAND, Ore.— An EPA [analysis](#) relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those

studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

"We shouldn't gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate," said Donley. "The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end."

The EPA's industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a [letter](#) to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by [glyphosate](#) was 1993.

The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.

Alaska . Arizona . California . Florida . Minnesota . Nevada . New Mexico . New York . Oregon . Vermont . Washington

P.O. Box 710 . Tucson, AZ 85702-0710 tel: (520) 623.5252 fax: (520) 623.9797 www.BiologicalDiversity.org

You are subscribed to Center-Plus@list.diversity.org

To: Sisco, Debby[Sisco.Debby@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:40:35 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Darlene is not there.

From: Sisco, Debby
Sent: Monday, May 02, 2016 4:34 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: Re: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

I passed on Ricks input to Darlene.

Sent from my iPhone

On May 2, 2016, at 4:13 PM, Han, Kaythi <Han.Kaythi@epa.gov> wrote:

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Monday, May 02, 2016 4:12 PM
To: Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Keigwin, Richard
Sent: Monday, May 02, 2016 3:51 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Rick Keigwin
Deputy Director for Programs
Office of Pesticide Programs
US Environmental Protection Agency

Sent from my Windows Phone

From: [Sisco, Debby](#)
Sent: 5/2/2016 3:04 PM
To: [Keigwin, Richard](#)
Cc: [Keltz, Colleen](#); [Dinkins, Darlene](#); [Strauss, Linda](#); [Han, Kaythi](#)

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:53 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Sisco, Debby
Sent: Monday, May 02, 2016 2:40 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene

<Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi

Sent: Monday, May 02, 2016 2:22 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>;

Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne

<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

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From: Milbourn, Cathy

Sent: Monday, May 02, 2016 2:13 PM

To: Han, Kaythi <Han.Kaythi@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>;

Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne

<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy

<Milbourn.Cathy@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

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Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne

<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:33 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
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Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Sisco, Debby[Sisco.Debby@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]
Cc: Dinkins, Darlene[Dinkins.Darlene@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:36:00 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

OPA wants something in next 5 minutes. Darlene is not at her desk.

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Subject: Re: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

I passed on Ricks input to Darlene.

Sent from my iPhone

On May 2, 2016, at 4:13 PM, Han, Kaythi <Han.Kaythi@epa.gov> wrote:

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Rick Keigwin
Deputy Director for Programs
Office of Pesticide Programs
US Environmental Protection Agency

Sent from my Windows Phone

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Sent: 5/2/2016 3:04 PM
To: [Keigwin, Richard](#)
Cc: [Keltz, Colleen](#); [Dinkins, Darlene](#); [Strauss, Linda](#); [Han, Kaythi](#)

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Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne

<overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy

<Milbourn.Cathy@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Jones, Jim[Jones.Jim@epa.gov]
Cc: Wise, Louise[Wise.Louise@epa.gov]; Mojica, Andrea[Mojica.andrea@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:35:45 PM
Subject: RE: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

OK

From: Jones, Jim
Sent: Monday, May 02, 2016 4:30 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>
Subject: Re: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

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Sent from my iPhone

On May 2, 2016, at 4:04 PM, Strauss, Linda <Strauss.Linda@epa.gov> wrote:

Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

From: Strauss, Linda
Sent: Monday, May 02, 2016 3:56 PM
To: Jones, Jim <Jones.Jim@epa.gov>; Wise, Louise <Wise.Louise@epa.gov>; Mojica, Andrea <Mojica.andrea@epa.gov>
Subject: AWARENESS FW: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer
Importance: High

We are figuring this out and will draft a desk statement

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 3:39 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>
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To: Harrison, Melissa <Harrison.Melissa@epa.gov>; Conger, Nick <Conger.Nick@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>
Cc: Hull, George <Hull.George@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

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Outlets asking:

WSJ

Bloomberg

Bloomberg/BNA

Reuters Freelancer

Agi- pulse

Freelancer

http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html

[<image001.gif>](#)

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, ndonley@biologicaldiversity.org

EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

PORTLAND, Ore.— An EPA [analysis](#) relying heavily on unpublished, industry funded studies has determined that glyphosate, commonly known as Roundup, is “not likely to be carcinogenic to humans.” The EPA determination, released to the public on Friday, stands in sharp contrast to a finding last year by the World Health Organization’s cancer-research arm that glyphosate is a probable human carcinogen.

“EPA’s determination that glyphosate is non-carcinogenic is disappointing, but not terribly surprising — industry has been manipulating this process for years,” said Nathan Donley, a scientist with the Center for Biological Diversity. “The analysis done by the World Health Organization is more open and transparent and remains the gold standard.”

The EPA’s analysis relied heavily on industry-funded studies that have not undergone public scrutiny, while the WHO used publically available research for its analysis. Furthermore, the WHO took into account studies on actual products that are available on store shelves, while the EPA ignored those studies to focus solely on studies that tested glyphosate as a single ingredient. Most products containing glyphosate have other ingredients that can make the pesticide more dangerous.

"We shouldn't gamble with the risk of cancer and must take appropriate precautions until we get a conclusive answer about the true dangers of glyphosate," said Donley. "The indiscriminate drenching of farms, ball fields and backyards with glyphosate needs to end."

The EPA's industry-friendly determination comes amid a fierce debate in Europe and the United States over the safety of glyphosate.

In February 35 members of the U.S. House of Representatives sent a [letter](#) to EPA Administrator Gina McCarthy expressing concerns regarding the potential negative health and environmental impacts of a pesticide, Enlist Duo, that combines glyphosate and 2,4-D. The agency is currently reanalyzing its decision to register the dangerous pesticide after it was revealed that the industry had withheld data on how the pesticides work in combination with other ingredients to have a stronger effect on the environment.

This finding comes as the EPA is in undertaking a "registration review" of glyphosate, a process designed to determine whether the chemical can safely be used in light of new scientific research. These documents will inform the agency's decision on whether to allow glyphosate to be used for the next 15 years. The last time the EPA fully analyzed the threats posed by [glyphosate](#) was 1993.

The Center for Biological Diversity is a national, nonprofit conservation organization with more than 1 million members and online activists dedicated to the protection of endangered species and wild places.

Alaska · Arizona · California · Florida · Minnesota · Nevada · New Mexico · New York · Oregon · Vermont · Washington · Wisconsin · Wyoming
P.O. Box 710 · Tucson, AZ 85702-0710 · tel: (520) 623.5252 · fax: (520) 623.9797 · www.BiologicalDiversity.org

You are subscribed to Center-Plus@list.diversity.org

To: Milbourn, Cathy[Milbourn.Cathy@epa.gov]; Conger, Nick[Conger.Nick@epa.gov]; Harrison, Melissa[Harrison.Melissa@epa.gov]; Perry, Dale[Perry.Dale@epa.gov]
Cc: Hull, George[Hull.George@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 8:16:42 PM
Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

I am back at my desk and we are working on it.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 4:12 PM
To: Conger, Nick <Conger.Nick@epa.gov>; Harrison, Melissa <Harrison.Melissa@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
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Cc: Hull, George <Hull.George@epa.gov>

Subject: RE: Glyphosate blowing up. FW: Press Release: EPA Uses Industry-funded Studies to Determine Glyphosate Does Not Cause Cancer

Thanks Cathy.

Linda: Can you provide a statement on this? We also have an inquiry from The Hill:

- First off, I want to make sure I understand what exactly this is. It appears that it's an advisory opinion meant to inform EPA's regulatory actions on glyphosate, but it is not a final decision itself. Is that true?

- Second, this looks like it's dated from October. Why is it just coming out now, and only through the rulemaking docket?

Nick Conger

U.S. Environmental Protection Agency

Office: (202) 564-6287

Cell: (202) 412-2655

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Reuters Freelancer

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http://biologicaldiversity.org/news/press_releases/2016/glyphosate-05-02-2016.html



CENTER for BIOLOGICAL DIVERSITY

Because

For Immediate Release, May 2, 2016

Contact: Nathan Donley, (971) 717-6406, ndonley@biologicaldiversity.org

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You are subscribed to Center-Plus@list.diversity.org

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From: Strauss, Linda
Sent: Mon 5/2/2016 8:14:14 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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To: Strauss, Linda <Strauss.Linda@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>
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Sent: Monday, May 02, 2016 1:39 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

The reporter can find the PDF of the IARC report at:
<http://monographs.iarc.fr/ENG/Monographs/vol112/>

Kaythi

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:33 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Han, Kaythi[Han.Kaythi@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]
Cc: Keltz, Colleen[Keltz.Colleen@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 7:03:13 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:53 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

From: Sisco, Debby
Sent: Monday, May 02, 2016 2:40 PM
To: Han, Kaythi <Han.Kaythi@epa.gov>
Cc: Keltz, Colleen <Keltz.Colleen@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Strauss, Linda <Strauss.Linda@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Debby Sisco

Office of Pesticide Programs (7501P)
Ethics Officer and Special Assistant to the Director
Room 12651 Potomac Yard South (office: 703 308-8121; cell: 571 317-4823)

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:22 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Cathy,

Ex. 5 - Deliberative Process

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Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

202-420-8648 (mobile)

Milbourn.cathy@epa.gov

From: Han, Kaythi

Sent: Monday, May 02, 2016 1:39 PM

To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>

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Kaythi

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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

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To: Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Good afternoon,

I am a legal reporter at Bloomberg who has a story out about a lawsuit filed against Quaker Oats containing trace levels of glyphosate. Could you please send me the recent report of the CARC review about glyphosate?

Thanks,

Rebecca

To: Han, Kaythi[Han.Kaythi@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 6:22:22 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Thanks, Kaythi. I told Cathy to email you directly since you are responsive and the expert! 😊😊

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:22 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
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Ex. 5 - Deliberative Process

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Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Catherine C. Milbourn

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Rebecca

To: Han, Kaythi[Han.Kaythi@epa.gov]; Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 5:41:09 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Thanks so much.

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:37 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Hi Linda,

I don't think it's in our docket yet. I can send Cathy the link from IARC's website and copy everyone.

Kaythi

From: Strauss, Linda
Sent: Monday, May 02, 2016 1:33 PM
To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
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Ex. 5 - Deliberative Process

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Cc: Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 5:40:48 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Yay, Kaythi! Thanks.

From: Han, Kaythi
Sent: Monday, May 02, 2016 1:39 PM
To: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>
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Kaythi

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To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

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Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Rebecca

To: Sisco, Debby[Sisco.Debby@epa.gov]; Dinkins, Darlene[Dinkins.Darlene@epa.gov]; Overstreet, Anne[overstreet.anne@epa.gov]; Keltz, Colleen[Keltz.Colleen@epa.gov]; Han, Kaythi[Han.Kaythi@epa.gov]
From: Strauss, Linda
Sent: Mon 5/2/2016 5:32:42 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 1:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>
Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

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Thanks,

Rebecca

To: Keigwin, Richard[Keigwin.Richard@epa.gov]
From: Strauss, Linda
Sent: Wed 1/6/2016 1:53:02 AM
Subject: RE: Timing of O

thanks

From: Keigwin, Richard
Sent: Tuesday, January 05, 2016 8:48 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>
Cc: Overstreet, Anne <overstreet.anne@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>
Subject: Re: Timing of O

I checked with Susan Lewis. Jim met with Monsanto earlier today and told them that, within the week, we would get back to them regarding next steps.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Strauss, Linda
Sent: Tuesday, January 5, 2016 1:15 PM
To: Keigwin, Richard; Sisco, Debby; Dinkins, Darlene
Cc: Overstreet, Anne; Han, Kaythi
Subject: RE: Timing of O

Perfect, thanks!!

I'll FU with Debby and Anne to get the flubendiamide newsbrief.

Linda

From: Keigwin, Richard

Sent: Tuesday, January 05, 2016 1:12 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>

Cc: Overstreet, Anne <overstreet.anne@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: RE: Timing of O

Ex. 5 - Deliberative Process

Rick Keigwin
Deputy Director for Programs
Office of Pesticide Programs
US Environmental Protection Agency

Sent from my Windows Phone

From: [Strauss, Linda](#)

Sent: 1/5/2016 12:56 PM

To: [Keigwin, Richard](#); [Sisco, Debby](#); [Dinkins, Darlene](#)

Cc: [Overstreet, Anne](#); [Han, Kaythi](#)

Subject: Timing of OPP coms

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: VanAlstine, Julie
Location: DCRoomPYS9100/Potomac-Yard-One
Importance: Normal
Subject: FW: Breast Milk Discussion with Monsanto
Start Date/Time: Mon 3/30/2015 7:00:00 PM
End Date/Time: Mon 3/30/2015 8:00:00 PM

-----Original Appointment-----

From: Cyran, Carissa
Sent: Tuesday, March 17, 2015 12:46 PM
To: Cyran, Carissa; Moriarty, Thomas; Anderson, Neil; Miller, Wynne; Guilaran, Yu-Ting; Nguyen, Thuy; Smith, Charles; Keigwin, Richard; VanAlstine, Julie; Perron, Monique; Bloem, Thomas
Subject: Breast Milk Discussion with Monsanto
When: Monday, March 30, 2015 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: DCRoomPYS9100/Potomac-Yard-One

Hello,

Monsanto has requested a meeting to discuss their method for the detection of glyphosate in milk and to seek the agency's feedback.

Call-in Information

Dial-in: Ex. 6 - Personal Privacy
Conference code: Ex. 6 - Personal Privacy

Thank you,

Carissa

To: Britton, Wade[Britton.Wade@epa.gov]; Smith, Charles[Smith.Charles@epa.gov]
From: Vogel, Dana
Sent: Tue 5/3/2016 12:32:34 PM
Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Dv

From: Britton, Wade
Sent: Tuesday, May 03, 2016 8:31 AM
To: Vogel, Dana <Vogel.Dana@epa.gov>; Smith, Charles <Smith.Charles@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS
Importance: High

Ex. 5 - Deliberative Process

Wade

Wade Britton, MPH

Environmental Health Scientist | Division Communication Officer

Health Effects Division

Office of Pesticide Programs, US EPA

(703) 308-0139

From: Han, Kaythi
Sent: Monday, May 02, 2016 2:31 PM
To: Britton, Wade <Britton.Wade@epa.gov>
Cc: Overbey, Dian <Overbey.Dian@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>;
Nguyen, Khue <Nguyen.Khue@epa.gov>
Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG
NEWS
Importance: High

Hi Wade,

Ex. 5 - Deliberative Process

Thanks,
Kaythi

From: Milbourn, Cathy
Sent: Monday, May 02, 2016 2:13 PM

To: Han, Kaythi <Han.Kaythi@epa.gov>

Cc: Strauss, Linda <Strauss.Linda@epa.gov>; Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Catherine C. Milbourn

U.S. EPA HQ

Office of the Administrator

Office of Media Relations

202-564-7849 (office)

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Milbourn.cathy@epa.gov

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Kaythi

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Sent: Monday, May 02, 2016 1:33 PM

To: Sisco, Debby <Sisco.Debby@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>;

Overstreet, Anne <overstreet.anne@epa.gov>; Keltz, Colleen <Keltz.Colleen@epa.gov>; Han, Kaythi <Han.Kaythi@epa.gov>

Subject: RE: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Can you all let Cathy know? Thanks.

From: Milbourn, Cathy

Sent: Monday, May 02, 2016 1:28 PM

To: Strauss, Linda <Strauss.Linda@epa.gov>

Cc: Milbourn, Cathy <Milbourn.Cathy@epa.gov>

Subject: FW: EPA's Cancer Assessment Review Committee on Glyphosate BLOOMBERG NEWS

Ex. 5 - Deliberative Process

Good afternoon,

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Thanks,

Rebecca

To: Monell, Marty[Monell.Marty@epa.gov]
From: Vogel, Dana
Sent: Thur 4/7/2016 1:06:06 PM
Subject: FW: Confidential-HED nominations for non-opp awards

Hi Marty,

Below are the HED nominations. Let me know if you have any questions.

Dana

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Director, Health Effects Division

Office of Pesticide Programs

USEPA

703-305-0874

To: Wood, Charles[Wood.Charles@epa.gov]
From: Rowland, Jess
Sent: Thur 5/21/2015 1:22:10 AM
Subject: RE: Glyphosate

Charles

Me bad. The meeting is on June 24th. So we are fine. June 10th is the date for the background document distribution.

Jess

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/20/2015 4:14 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Yes, June 17 works fine.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 20, 2015 4:07 PM
To: Wood, Charles
Subject: RE: Glyphosate

Hi Charles

Thanks for this awesome review

will you be back on 17th?. Would really like to have at CARC. If you can I can change the date
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/20/2015 3:44 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I will be in-flight morning of Jun 10 so will not be able to call in to the CARC meeting. Should be an interesting discussion – sorry to miss it. Let me know if you need more follow-up before then.

--Charles

From: Rowland, Jess
Sent: Monday, May 18, 2015 9:23 PM
To: Wood, Charles
Subject: RE: Glyphosate

Charles
No hurry...we have plenty of time
Next week will be fine
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/18/2015 6:33 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Sorry for not getting back to you sooner. Still digging out from emails that piled up last week. I will get you something tomorrow afternoon.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 13, 2015 7:16 AM
To: Wood, Charles
Subject: Glyphosate
Importance: High

Hi Charles

Hope u had a nice tripe.

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,

Deputy Director

Glyphosate – CD-1 Mouse Study

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and

Fisher's Exact Test and Exact Trend Test Results

| | Dose (mg/kg/day) | | | |
|------------------|------------------|---------|---------|---------|
| | 0 | 100 | 300 | 1000 |
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.

To: Wood, Charles[Wood.Charles@epa.gov]
From: Rowland, Jess
Sent: Tue 5/19/2015 1:22:55 AM
Subject: RE: Glyphosate

Charles
No hurry...we have plenty of time
Next week will be fine
JR

Sent from my Windows Phone

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Regards

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Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Ex. 5 - Deliberative Process

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and
Fisher's Exact Test and Exact Trend Test Results

| | Dose (mg/kg/day) | | | |
|------------------|------------------|---------|---------|---------|
| | 0 | 100 | 300 | 1000 |
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.

To: Wood, Charles[Wood.Charles@epa.gov]
From: Rowland, Jess
Sent: Wed 5/13/2015 11:16:17 AM
Subject: Glyphosate
[glyphosate.atkinson.num7793.vol1.pdf](#)
[CPRC II.pdf](#)

Hi Charles

Hope u had a nice tripe.

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,
Deputy Director
Health Effects Division
703-308-2719

Glyphosate – CD-1 Mouse Study

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and

Fisher's Exact Test and Exact Trend Test Results

Dose (mg/kg/day)

| | 0 | 100 | 300 | 1000 |
|------------------|-----------|---------|---------|---------|
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.

To: Wood, Charles[Wood.Charles@epa.gov]
From: Flowers, Lynn
Sent: Wed 5/4/2016 10:14:50 PM
Subject: Re: OPP glyphosate update

Thanks!!!!'

Sent from my iPhone

On May 4, 2016, at 6:13 PM, Wood, Charles <Wood.Charles@epa.gov> wrote:

Hi Lynn,

Thanks for the update, and congratulations on your new position!

--Charles

From: Flowers, Lynn
Sent: Wednesday, May 04, 2016 2:44 PM
To: Cogliano, Vincent <cogliano.vincent@epa.gov>; Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>
Cc: McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>
Subject: OPP glyphosate update

Hi all:

Just an update of where OPP is heading in relationship to their ongoing work on glyphosate – in case you didn't know!

First of all, you may have seen the news about the final CARC going live inadvertently and OPP pulling it from the web.

Here are some links in case you missed it.

<image001.png>

Advocates Fault EPA Review Finding Glyphosate Unlikely To Cause Cancer

Environmentalists are faulting an EPA assessment finding the world's most commonly-used herbicide is not likely to cause human cancers, arguing the agency relied on industry studies and

unrealistic assumptions, and also appears to lack confidence in its own review, given that EPA posted the document to a public site and then withdrew it days later.

<image002.png>

EPA Panel Finds Glyphosate Not Likely to Cause Cancer

Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an EPA report. The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer, which found that the pesticide is a “probable carcinogen.”

<image003.png>

Report touting glyphosate safety published by mistake -- EPA

U.S. EPA yesterday posted online and then removed a report suggesting glyphosate is unlikely to pose a cancer risk to humans.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Lynn

Lynn Flowers, PhD, DABT

Senior Science Advisor

Office of Science Policy

US EPA

Washington, DC

202-564-6293

To: Wood, Charles[Wood.Charles@epa.gov]
Cc: Lobdell, Danelle[Lobdell.Danelle@epa.gov]; Tietge, Joe[Tietge.Joe@epa.gov]; Wade, Tim[Wade.Tim@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]
From: Bahadori, Tina
Sent: Wed 11/4/2015 7:57:40 PM
Subject: Re: quick question

Ex. 5 - Deliberative Process

Tina

Sent from my iPhone

On Nov 4, 2015, at 11:39 AM, Wood, Charles <Wood.Charles@epa.gov> wrote:

Hi Tina,

Along with Danelle, I participated in the OPP Cancer Assessment Review Committee (CARC) review of glyphosate. (I have served as the CARC pathologist for several years.) My focus was the animal data. I spoke with Jackie this morning and plan to be on the call with Tom Burke tomorrow. Let me know if you need more information.

--Charles

From: Bahadori, Tina
Sent: Wednesday, November 04, 2015 12:22 PM
To: Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>
Cc: Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>
Subject: RE: quick question

Ex. 5 - Deliberative Process

Thanks for getting back to me so quickly.

Tina

From: Lobdell, Danelle

Sent: Wednesday, November 04, 2015 12:13 PM

To: Bahadori, Tina <Bahadori.Tina@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>

Cc: Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>

Subject: RE: quick question

Hi Tina,

I was involved with reviewing the epi literature for the cancer assessment. I was not involved with the overall risk assessment.

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Bahadori, Tina

Sent: Wednesday, November 04, 2015 12:11 PM

To: Wood, Charles <Wood.Charles@epa.gov>; Lobdell, Danelle
<Lobdell.Danelle@epa.gov>

Cc: Tietge, Joe <Tietge.Joe@epa.gov>

Subject: quick question

Hello Charles and Danelle,

Others may have asked but I am away at SETAC and a little time lagged. Were you two involved with OPP's glyphosate risk and cancer assessments? If so, to what extent.

Thanks so much,

Tina

Tina Bahadori, Sc.D.

National Program Director, Chemical Safety for Sustainability (ORD/EPA)

DC RRB-41282; 1200 Pennsylvania Avenue, NW, RRB:MC 8101R, Washington, DC 20460

phone: 202.564.0428; mobile: 202.680.8771; Email: Bahadori.Tina@epa.gov

To: Wood, Charles[Wood.Charles@epa.gov]
From: McQueen, Jacqueline
Sent: Wed 11/4/2015 7:49:37 PM
Subject: RE: glyphosate review

Thanks, I think we want to see how the briefing tomorrow goes . Are you planning on calling in?

Jackie

From: Wood, Charles
Sent: Wednesday, November 04, 2015 2:48 PM
To: McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>
Subject: glyphosate review

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: wood.charles@epa.gov

Phone: 919-541-1171

To: Wood, Charles[Wood.Charles@epa.gov]
From: Rowland, Jess
Sent: Wed 5/20/2015 8:07:29 PM
Subject: RE: Glyphosate

Hi Charles

Thanks for this awesome review
will you be back on 17th?. Would really like to have at CARC. If you can I can change the date
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/20/2015 3:44 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I will be in-flight morning of Jun 10 so will not be able to call in to the CARC meeting. Should be an interesting discussion – sorry to miss it. Let me know if you need more follow-up before then.

--Charles

From: Rowland, Jess
Sent: Monday, May 18, 2015 9:23 PM
To: Wood, Charles
Subject: RE: Glyphosate

Charles
No hurry...we have plenty of time
Next week will be fine
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/18/2015 6:33 PM

To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Sorry for not getting back to you sooner. Still digging out from emails that piled up last week. I will get you something tomorrow afternoon.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 13, 2015 7:16 AM
To: Wood, Charles
Subject: Glyphosate
Importance: High

Hi Charles

Hope u had a nice tripe.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Glyphosate – CD-1 Mouse Study

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and

Fisher's Exact Test and Exact Trend Test Results

Dose (mg/kg/day)

0 100 300 1000

| | | | | |
|------------------|-----------|---------|---------|---------|
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.

CHARLES WOOD
CARC
Glyphosate
Review
Held at
One Potomac Yard S-10934
Room S-10100
2777 Crystal Drive
Arlington, VA

BCD TRAVEL

(866) 964-1346

(406) 496-9577

TUESDAY, SEPTEMBER 15

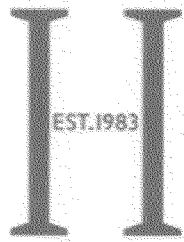
LODGING: COURTYARD ALEXANDRIA
OLD TOWN/SOUTHWEST
2700 EISENHOWER AVENUE
ALEXANDRIA, VA

CONFIRMATION #: 91461048

TELEPHONE: (703) 329-2323

PER DIEM

| | |
|---------|----------|
| M&IE | \$ 53.25 |
| Lodging | \$222.00 |



HARRIDGE
BUSINESS TRAVEL

Itinerary Information

Today's Date:

Tuesday, September 08, 2015

Reservation ID:

LJ6MJS

Agency Information

BCD GTS EPA

1055 Lenox Park Blvd

Atlanta, GA 30319

United States of America

Agency Phone: 404 841-6600

Traveler

WOOD, CHARLES E

| | | | |
|---|------------------------------|--|------|
| Flight - American Airlines (AA) - 4951 | | Tuesday, September 15, 2015 | |
| American Airlines Confirmation Number: | | WPKJQJ | |
| Depart: | 3:26 PM | Raleigh Durham Intl Arpt (RDU), Terminal 2 | |
| Arrive: | 4:30 PM | Ronald Reagan National Arpt (DCA),
Terminal C
Washington, DC | |
| Flight 4951 | | Non-stop | |
| Class of Service: | | Economy (Y) | |
| Flight Operated By: | | Us Airways Express-Psa Airlines (US) | |
| Seat | Status | Passenger | |
| Not yet assigned | Seat Assigned at
Check In | WOOD, CHARLES E | |
| <u>Flight Service Information</u> | | | |
| Equipment: | Canadair 700 | Flying Time: | 1:04 |
| In-Flight Services: | Non-smoking | | |
| Frequent Traveler Number(s) | | Passenger | |
| Ex. 6 - Personal Privacy | | WOOD, CHARLES E | |
| <u>Special Services Requested</u> | | | |
| Remarks
FOR UP TO DATE TRAVEL INFORMATION ON AIRLINE
CHECK-IN/RESTRICTIONS/LIMITATIONS/SECURITY.
PLEASE CHECK WWW.AA.COM | | | |

Status: Confirmed (HK)

| | | | |
|--|--------------|--|------|
| Flight - American Airlines (AA) - 5008 | | Wednesday, September 16, 2015 | |
| American Airlines Confirmation Number: | | WPKJQJ | |
| Depart: | 7:35 PM | Ronald Reagan National Arpt (DCA),
Terminal C
Washington, DC | |
| Arrive: | 8:35 PM | Raleigh Durham Intl Arpt (RDU), Terminal 2 | |
| Flight 5008 | | Non-stop | |
| Class of Service: | | Economy (Y) | |
| Flight Operated By: | | Us Airways Express-Psa Airlines (US) | |
| Seat | Status | Passenger | |
| 18A (Non-smoking) | Confirmed | WOOD, CHARLES E | |
| <u>Flight Service Information</u> | | | |
| Equipment: | Canadair 700 | Flying Time: | 1:00 |
| In-Flight Services: | Non-smoking | | |
| Frequent Traveler Number(s) | | Passenger | |
| Ex. 6 - Personal Privacy | | WOOD, CHARLES E | |
| <u>Special Services Requested</u> | | | |

Status: Confirmed (HK)

| | |
|------------------------------|----------------------------|
| Miscellaneous Travel Product | |
| Miscellaneous Travel Product | |
| Start Location: | Raleigh (RDU) |
| Start Date | Thursday, January 14, 2016 |
| Number of Persons: | 1 |

Status: Requested (HN)

| |
|---|
| Remarks |
| FOR 24/7 TRAVEL ASSISTANCE PLEASE CONTACT
THE BCD TRAVEL TEAM AT 1-866-964-1346
FOR OUTSIDE THE US CALL COLLECT 406-496-9577
FOR THE HEARING IMPAIRED- PLEASE DIAL 711
TO ACCESS RELAY SERVICE- PROVIDE PHONE
NUMBER OF 1-866-964-1346 TO ACCESS TRAVEL

DUE TO RECENT CHANGES IN THE FY15 GOVERNMENT CITY PAIR
PROGRAM/CPP YOUR AIR RESERVATIONS ARE SUBJECT TO
CANCELLATION BY THE AIRLINES IF NOT TICKETED AT LEAST
48 HOURS PRIOR TO SCHEDULED DEPARTURE
PLEASE ENSURE ALL NECESSARY APPROVALS ARE PROCESSED IN
ACCORDANCE WITH YOUR AGENCY'S BUSINESS RULES BUT NO LESS
THAN 3 BUSINESS DAYS PRIOR TO DEPARTURE TO ENSURE TICKETING.
THIS 48 HOUR CANCELLATION RULE DOES NOT APPLY TO
INTERNATIONAL RESERVATIONS UNLESS YOUR TRIP HAS DOMESTIC
CONNECTIONS ON MORE THAN ONE AIRLINE OR THESE
RESERVATIONS REQUIRE SEPARATE AIR TICKETS.
***** |

Ticket Receipt**Total Amount: 794.50 USD**

This ticket information applies to the following trip(s):

American Airlines Flight 4951 from Raleigh / Durham to Washington on September 15
 American Airlines Flight 5008 from Washington to Raleigh / Durham on September 16

ElectronicTicket Number: 0017652887806

Invoice Number: 000111956

Ticket Amount: 760.20 USD

Form of Payment: CA*****7320

Service Fee Number: 8900639296350

Service Fee Amount: 34.30 USD

Form of Payment: CA*****7320

Travel Summary – Agency Record Locator LJ6MJS**Traveler**

WOOD / CHARLES E

Reference number by traveler: TAA01VX1

| Date | From/To | Flight/Vendor | Status | Depart/Arrive | Class/Type |
|------------|---------|---------------|-----------|-------------------|-------------|
| 09/15/2015 | RDU-DCA | AA 4951 | Confirmed | 03:26 PM/04:30 PM | Economy / Y |
| 09/16/2015 | DCA-RDU | AA 5008 | Confirmed | 07:35 PM/08:35 PM | Economy / Y |

AIR - Tuesday, September 15 2015 - Agency Record Locator LJ6MJS**American Airlines Flight AA4951 Economy**[Online check-in](#)

Depart: Raleigh-Durham International Airport, Terminal 2
 Raleigh / Durham, North Carolina, United States
 03:26 PM Tuesday, September 15 2015

Arrive: Ronald Reagan National, Terminal C
 Washington, District of Columbia, United States
 04:30 PM Tuesday, September 15 2015

Duration: 1 hour(s) and 4 minute(s) Non-stop

Status: Confirmed - American Airlines Record Locator: WPKJQJ

Equipment: Canadair Regional Jet 700

Operated By: US Airways

FF Number: Ex. 6 - Personal Privacy WOOD/CHARLES E

Distance: 227 miles / 365.243 kilometers

CO2 Emissions: 124.85 lbs/56.75 kgs

Remarks: FOR UP TO DATE TRAVEL INFORMATION ON AIRLINE
 CHECK-IN/RESTRICTIONS/LIMITATIONS/SECURITY.
 PLEASE CHECK WWW.AA.COM
 NO FREQUENT FLYER IN YOUR PROFILE FOR CARRIER BOOKED

AIR - Wednesday, September 16 2015 - Agency Record Locator LJ6MJS**American Airlines Flight AA5008 Economy**[Online check-in](#)

Depart: Ronald Reagan National, Terminal C
 Washington, District of Columbia, United States
 07:35 PM Wednesday, September 16 2015

Arrive: Raleigh-Durham International Airport, Terminal 2
 Raleigh / Durham, North Carolina, United States
 08:35 PM Wednesday, September 16 2015

Duration: 1 hour(s) and 0 minute(s) Non-stop

Status: Confirmed - American Airlines Record Locator: WPKJQJ

Equipment: Canadair Regional Jet 700

Operated By: US Airways

Seat: 18A (Non smoking) Confirmed

FF Number: Ex. 6 - Personal Privacy WOOD/CHARLES E

Distance: 227 miles / 365.243 kilometers
CO2 Emissions: 124.85 lbs/56.75 kgs
Remarks: NO FREQUENT FLYER IN YOUR PROFILE FOR CARRIER BOOKED

Remarks

FOR 24/7 TRAVEL ASSISTANCE PLEASE CONTACT
THE BCD TRAVEL TEAM AT 1-866-964-1346
FOR OUTSIDE THE US CALL COLLECT 406-496-9577
FOR THE HEARING IMPAIRED- PLEASE DIAL 711
TO ACCESS RELAY SERVICE- PROVIDE PHONE
NUMBER OF 1-866-964-1346 TO ACCESS TRAVEL
DUE TO RECENT CHANGES IN THE FY15 GOVERNMENT CITY PAIR
PROGRAM/CPP YOUR AIR RESERVATIONS ARE SUBJECT TO
CANCELLATION BY THE AIRLINES IF NOT TICKETED AT LEAST
48 HOURS PRIOR TO SCHEDULED DEPARTURE
PLEASE ENSURE ALL NECESSARY APPROVALS ARE PROCESSED IN
ACCORDANCE WITH YOUR AGENCY'S BUSINESS RULES BUT NO LESS
THAN 3 BUSINESS DAYS PRIOR TO DEPARTURE TO ENSURE TICKETING.
THIS 48 HOUR CANCELLATION RULE DOES NOT APPLY TO
INTERNATIONAL RESERVATIONS UNLESS YOUR TRIP HAS DOMESTIC
CONNECTIONS ON MORE THAN ONE AIRLINE OR THESE
RESERVATIONS REQUIRE SEPARATE AIR TICKETS.

CHECK-IN TIMES ARE 90 MINUTES PRIOR TO DEPARTURE
FOR DOMESTIC FLIGHTS OR 120 MINUTES FOR INTERNATIONAL
ELECTRONIC TICKET/S/ WILL BE ISSUED FOR THIS TRIP
CHECKED BAGGAGE POLICIES VARY BASED ON CARRIER AND FINAL
DESTINATION. FOR THE LATEST INFORMATION PLEASE CHECK
WITH YOUR TRAVEL CONSULTANT OR THE AIRLINES WEBSITE.

10Sep/10:37AM

| Estimated trip total | | | | 760.20 USD |
|---|-----------------------------|--------------------------------------|-------------------------------------|--------------------|
| Air | Car | Hotel | Rail | Other |
| 760.20 USD | | | | |
| Fare details: Not guaranteed until ticketed | | | | |
| Vendor | Fare information | Refund restrictions before departure | Change restrictions after ticketing | Ticket information |
| Air
AA4951 15Sep
AA5008 16Sep | Total:
USD 760.20 | REFUND
RESTRICTIONS
MAY APPLY | CHANGE
RESTRICTIONS
MAY APPLY | |
| All quotes are provider quotes excluding possible taxes and charges en route. Currency conversions shown in this itinerary receipt are done using the bank rate applicable at the date shown in the header of this document. Please note that some local taxes and charges may be invoiced during your trip and cannot be shown at time of reservation. | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ADMINISTRATIVE AND RESEARCH SUPPORT
Research Triangle Park, NC 27711

OFFICE OF
RESEARCH AND DEVELOPMENT

To Be Retained by Operators of
Hotels, Motels, and Similar
Accommodations as Evidence of
Exempt Occupancy

EXEMPTION CERTIFICATE #52-085-2695
TAX ON OCCUPANCY OF HOTEL ROOMS

Name _____
(Hotel, Apartment, Motel, or Lodging House)

Address _____

Telephone _____ Fax _____

DATES OF OCCUPANCY

From _____ To _____

Date _____

This is to certify that I, the undersigned, am a representative of the United States Government; that the charges for the occupancy of the above establishment of the dates set forth above have been or will be paid for by the U.S. Government and that such charges are incurred in the performance of my official duties as a representative or employee of such governmental unit. On this basis exemption from State, Territorial and Local taxes is hereby claimed as provided under Federal Law.

Signature

Date

Printed Name

Title

NOTE: A SEPARATE EXEMPTION CERTIFICATE IS REQUIRED FOR EACH
OCCUPANCY FOR EACH REPRESENTATIVE OR EMPLOYEE.

Holding, Krista

From: Wood, Charles
Sent: Tuesday, August 25, 2015 4:28 PM
To: Holding, Krista
Subject: RE: Arlington Trip

Hi Krista,

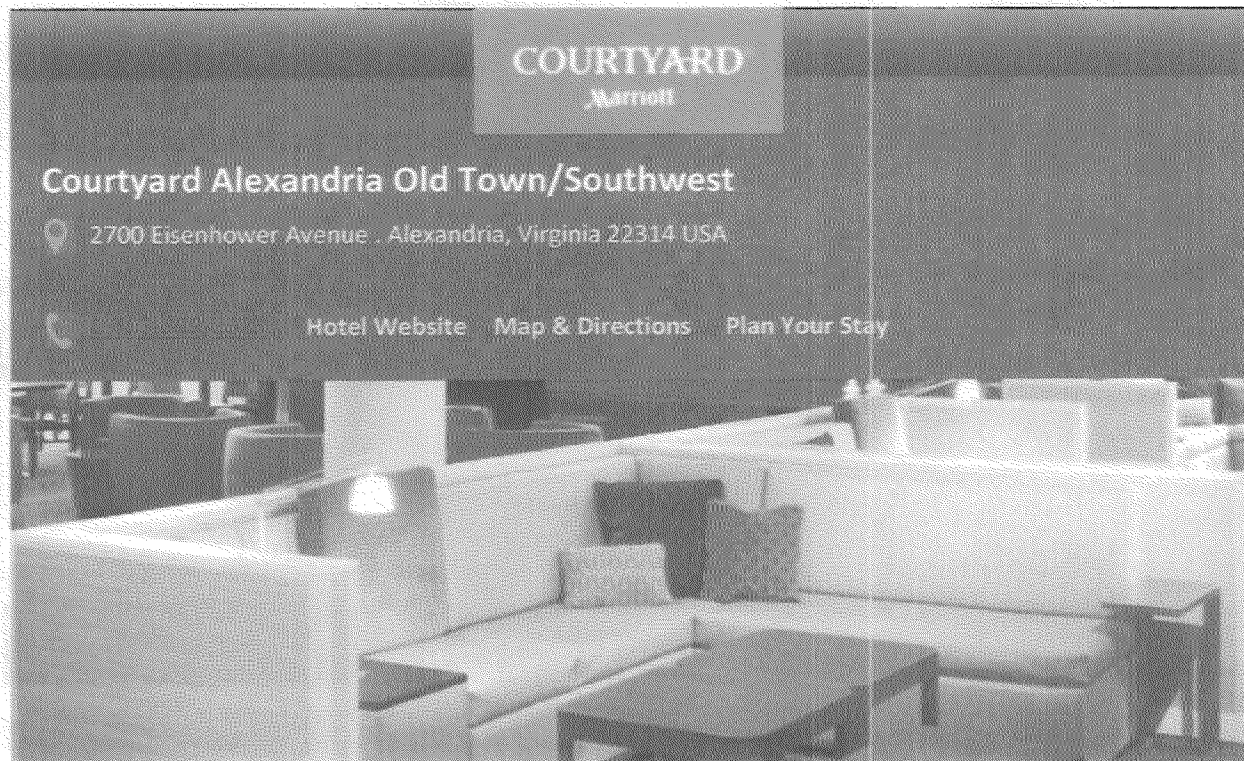
Below is my hotel reservation information. Note also that the meeting at OPP on Sept 16 may last until 4pm, so I think it would be best for a return flight departure time of 5:45pm or later.

Thanks,
Charles

----- Forwarded message -----

From: Courtyard By Marriott Reservations <reservations@courtyard-res.com>
Date: Tue, Aug 25, 2015 at 4:18 PM
Subject: Reservation Confirmation #91461048 for Courtyard Alexandria Old Town/Southwest

Please review your reservation details and keep for your records.



Reservation Confirmation: 91461048

For Mr. CHARLES WOOD

CHECK-IN DATE Tuesday, September 15, 2015
CHECK-IN TIME 03:00 PM

SILVER ELITE

CHECK-OUT DATE
Wednesday, September 16,
2015
CHECK-OUT TIME 12:00 PM

[Modify your reservation](#)[Cancel your reservation](#)

Dear Mr. CHARLES WOOD,

We are pleased to confirm your reservation at the Courtyard Alexandria Old Town/Southwest. Below is a summary of your booking and room information. We look forward to welcoming you and providing an environment that makes it easy for you to work and relax.

Warm regards,
Courtyard Alexandria Old Town/Southwest

[Enhance Your Stay](#)[Enhance Your Stay](#) [Enhance Your Stay](#)

Mobile Check-In & Out

Get to your room faster & receive instant updates.

 Download our app



Powered by 

AdChoices 

[Room Details](#)[Room Details](#) [Room Details](#)

ROOM TYPE

Guest room, 1 King 

NUMBER OF ROOMS

1

GUESTS PER ROOM

1

GUARANTEED METHOD

Credit Card Guarantee, Master Card

SPECIAL REQUESTS

Room 1

Request noted

24Hour Cancel Policy

Non-Commissionable Rate

Hotel Alert

USD 50 deposit at check-in for guests paying with cash. Deposit will be refunded by check 3 weeks after check-out.

Renovation Alert

Renovations are underway to improve the guest experience. Construction limited to daytime business hours on individual floors of hotel, but some work activity may be noticeable.

Summary of Charges

[Summary of Charges](#) [Summary of Charges](#)

RATES ARE PER ROOM, PER NIGHT (USD)

Tuesday, September 15, 2015-Wednesday, September 16, 2015

1 night

222.00 USD

Govt/military rate, Federal Gov Rate, federal government ID required

ESTIMATED GOVERNMENT TAXES & FEES

33.19 USD

Total for stay (for all rooms)

255.19 USD

Other Charges

Complimentary on-site parking

Modify or cancel your reservation

Book Another Reservation

Rate and Cancellation Details

[Rate and Cancellation Details](#) [Rate and Cancellation Details](#)

- Please note that a change in the length or dates of your reservation may result in a rate change.
- You may cancel your reservation for no charge until Monday, September 14, 2015 (1 day[s] before arrival).
- Please note that we will assess a fee of 255.19 USD if you must cancel after this deadline.

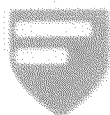
If you have made a prepayment, we will retain all or part of your prepayment. If not, we will charge your credit card.

RATE GUARANTEE LIMITATION(S)

- Changes in taxes or fees implemented after booking will affect the total room price.
- Please note that a change in the length or dates of your reservation may result in a rate change.

ADDITIONAL INFORMATION

- The Responsible Tourist and Traveler
A practical guide to help you make your trip an enriching experience



Our Best Rate.
Guaranteed.

Find a better rate somewhere else? We'll match it and give you 25% off when you book on Marriott.com. See details.

IT PAYS TO BOOK DIRECT™

Document Header Information

Document Type: Auth Document AUTH082123
Name:
Travel TAA01VX1 Trip Name: Trip from Raleigh to Washington
Authorization
Number:
TA Date: 09/08/15 Currency: USD
Organization: EPAORD26NHEERL Current SIGNED
Status:
Purpose: 2-INFORMATIONAL Document CONFERENCE CODE: MN262600 TRAINING \$\$\$ ARE NOT BEING USED. CROSS
MEETING Detail: FUNDING: ORGANIZATION EPAOCSP32OPP LABEL: 15 HED CROSS FUNDING To
attend Carcinogenicity Assessment Review Committee Meeting (CARC) Pathologist.
Type Code: TEMPORARY DUTY

Traveler Profile

Name: WOOD, CHARLES E ID: Ex. 6 - Personal Privacy
TID: Ex. 6 - Personal Privacy
Title:
Security Cl:
Office Address: 109 T.W. ALEXANDER DR
RTP, NC 27711
Office Phone: 9195411171
Home Address: Ex. 6 - Personal Privacy
Alternate Address:
Organization: EPAORD26NHEERL
Duty Station: RTP
Card: CARDHOLDER EXEMPT
EMAIL: WOOD.CHARLES@EPA.GOV
Cell Phone:
Home Phone: Ex. 6 - Personal Privacy
Alternate Phone:

Document Information

Trip Selected Trip
Number: 1
Purpose: CONFERENCE CODE: MN262600 TRAINING \$\$\$ ARE NOT BEING USED. CROSS FUNDING: ORGANIZATION EPAOCSP32OPP
LABEL: 15 HED CROSS FUNDING To attend Carcinogenicity Assessment Review Committee Meeting (CARC) Pathologist.

Itinerary Locations

| Check In | Check Out | Location | Purpose | Rate |
|----------|-----------|---------------|---------|----------------|
| 09/15/15 | 09/16/15 | ARLINGTON, VA | | 222.00 / 71.00 |

Document Totals

| | |
|----------------------------|----------|
| Total Expenses: | 1,299.85 |
| Reimbursable Expenses: | 1,299.85 |
| Non-Reimbursable Expenses: | .00 |
| Advance Authorized: | 392.48 |
| Advance Requested: | .00 |

Document Totals by Expense Category

| Expense Category | Cost | Advance Amount |
|------------------|----------|----------------|
| Com. Carrier | 794.50 | .00 |
| Lodging & M&IE | 328.50 | 262.80 |
| Mileage | 16.10 | 12.88 |
| Misc Expense | 146.00 | 116.80 |
| Transaction Fees | 14.75 | .00 |
| Total Expenses: | 1,299.85 | 392.48 |

Trip 1 Details**Reservations Summary**

| Reservation Type | Vendor | Ticket# | Location | Cost |
|------------------|-------------------|------------|----------|--------|
| COMM-CARR | American Airlines | 1001204417 | | 760.20 |
| COMM-CARR | American Airlines | 1001204417 | | .00 |

Payment Detail Information

| Organization | Label | Accounting String | Payment Method | Amount |
|--------------|----------------------|--|----------------|--------|
| EPAOCSP32OPP | 15 HED Cross Funding | QAX.20152016.B.32J00AN.401CJ1.MN203200.J1X39FM | GOVCC | 809.25 |
| EPAOCSP32OPP | 15 HED Cross Funding | QAX.20152016.B.32J00AN.401CJ1.MN203200.J1X39FM | PERSONAL | 490.60 |

Totals by Label

| | | | | |
|--------------|----------------------------|--|--|----------|
| EPAOCSP32OPP | 15 HED Cross Funding Total | QAX.20152016.B.32J00AN.401CJ1.MN203200.J1X39FM | | 1,299.85 |
|--------------|----------------------------|--|--|----------|

Totals by Payment Method

| | |
|----------------|--------|
| GOVCC Total | 809.25 |
| PERSONAL Total | 490.60 |

Attachments

No Attachments Exists

Receipt Checklist

| Date | Description | Cost |
|----------|-----------------|----------|
| 09/08/15 | Travel Fee | \$34.30 |
| 09/08/15 | TDY Voucher Fee | \$14.75 |
| 09/15/15 | AIR | \$760.20 |
| 09/15/15 | Lodging | \$222.00 |
| 09/15/15 | M&IE | \$53.25 |
| 09/16/15 | M&IE | \$53.25 |

Audits

| Audit Name | Result | Reason |
|------------|--------|--------|
|------------|--------|--------|

Document History 09/10/2015 Auth: AUTH082123

Copyright 1989-2009 Concur Government Edition: Concur Inc. WOOD, CHARLES E. Ex. 6 - Personal Privacy

| STATUS | DATE | TIME | SIGNATURE NAME | REASON |
|------------------|------------|------------|------------------------|--------|
| CREATED | 09/08/2015 | 12:03PMEST | CHARLES WOOD | |
| SIGNED | 09/09/2015 | 5:59AMEST | TOWNSEND, BARBARA | |
| AUTHORIZED | 09/09/2015 | 6:33AMEST | ROSS, JEFFREY Alan | |
| ACCOUNT REVIEWED | 09/09/2015 | 11:09AMEST | HARRISON, PAMELA Kelly | |
| ADJUSTED | 09/10/2015 | 8:29AMEST | BUTLER, REBECCA J | |
| APPROVED | 09/10/2015 | 8:31AMEST | BUTLER, REBECCA J | |
| PENDING | 09/10/2015 | 8:31AMEST | SYSUTILITY | |

I certify that the electronic signatures listed above are valid and on file

SIGNED DATE**Document Signatures**

Traveler/Preparer Name:

Traveler/Preparer Signature:

Date:

Approver Name:

Approver Signature:

Date:

Trip Itinerary**From: RDU-Raleigh / Durham, NC (USA) TO: DCA-Washington, DC (USA) (National Apt)****Air****Tuesday September 15, 2015****RDU-Raleigh / Durham, NC to DCA-Washington, DC (USA)**Sep 15 American Airlines 4951
Raleigh / Durham, NC (USA) 09/15/2015 3:26PM
Confirmation Number: WPKJQJDuration: 1 Hour 4 Minutes Nonstop
Washington, DC (USA) (National Apt) 09/15/2015 4:30PMFlight Information
Distance 227 miles
No Seat AssignedEmissions 88.5 lbs of CO2
Cost 760.20 USD**Wednesday September 16, 2015****DCA-Washington, DC (USA) to RDU-Raleigh / Durham, NC**Sep 16 American Airlines 5008
Washington, DC (USA) (National Apt) 09/16/2015 7:35PM
Confirmation Number: WPKJQJDuration: 1 Hour Nonstop
Raleigh / Durham, NC (USA) 09/16/2015 8:35PMFlight Information
Distance 227 miles
No Seat Assigned

Emissions 88.5 lbs of CO2

Expenses

| | | | | | | | |
|------------|-----------------------------|------------------------------|--------|------------|--------------------------|--|--------|
| Trip#: 1 | | Total Non-Per Diem Expenses: | | 971.35 | Total Per Diem Expenses: | | 328.50 |
| Date | Description | Category | Cost | Pay Method | Per Diem | | |
| 09/08/2015 | Travel Fee | Com. Carrier | 34.30 | GOVCC | | | |
| Comment: | LB ATRS Domestic w-Air-Rail | | | | | | |
| 09/08/2015 | TDY Voucher Fee | Transaction Fees | 14.75 | GOVCC | | | |
| 09/15/2015 | Airline Flight | Com. Carrier | 760.20 | GOVCC | | | |
| 09/15/2015 | Lodging | Lodging & M&IE | 222.00 | PERSONAL | * | | |
| 09/15/2015 | M&IE | Lodging & M&IE | 53.25 | PERSONAL | * | | |
| 09/15/2015 | POV-Airport/Terminal | Mileage | 16.10 | PERSONAL | | | |
| 09/15/2015 | Baggage Fees | Misc Expense | 50.00 | PERSONAL | | | |
| 09/15/2015 | Hotel Tax (CONUS Only) | Misc Expense | 32.00 | PERSONAL | | | |
| 09/15/2015 | Parking | Misc Expense | 24.00 | PERSONAL | | | |
| 09/15/2015 | Public Transit | Misc Expense | 40.00 | PERSONAL | | | |
| 09/16/2015 | M&IE | Lodging & M&IE | 53.25 | PERSONAL | * | | |

Per Diem Allowances

Trip#: 1 Total Per Diem Allowances: 328.50

| Date | Rate | Ldg Cost | Ldg Allowed | Mic Cost | Mic Allowed | B L D Conf% |
|------------|---------------|----------|-------------|----------|-------------|-------------|
| 09/15/2015 | 222.00/ 71.00 | 222.00 | 222.00 | 53.25 | 53.25 | |
| 09/16/2015 | 222.00/ 71.00 | 0.00 | 0.00 | 53.25 | 53.25 | |

Other Authorizations

Trip#: 1

| Other Authorization | Remarks |
|--|---------|
| Contract fare used or No contract fare exists for city-pair market | <p></p> |
| OTHER PRIVATELY-OWNED VEHICLE | <p></p> |

Account Summary for the Selected Trip

| | | | |
|----------------------------------|-----------------------------|---|----------|
| Org: EPAOCSPP32OPP | Label: 15 HED Cross Funding | Acct Code: QAX.20152016.B.32J00AN.401CJ1.MN203200.J1X39FM | 1,299.85 |
| Expense Category: Com. Carrier | Fiscal Year: 2015 | Amount: 794.50 | |
| Expense Category: Lodging & M&IE | Fiscal Year: 2015 | Amount: 328.50 | |
| Expense Category: Mileage | Fiscal Year: 2015 | Amount: 16.10 | |
| Expense Category: Misc Expense | Fiscal Year: 2015 | Amount: 146.00 | |

To: Flowers, Lynn[Flowers.Lynn@epa.gov]
From: Wood, Charles
Sent: Wed 5/4/2016 10:13:02 PM
Subject: RE: OPP glyphosate update

Hi Lynn,

Thanks for the update, and congratulations on your new position!

--Charles

From: Flowers, Lynn
Sent: Wednesday, May 04, 2016 2:44 PM
To: Cogliano, Vincent <cogliano.vincent@epa.gov>; Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>
Cc: McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>
Subject: OPP glyphosate update

Hi all:

Just an update of where OPP is heading in relationship to their ongoing work on glyphosate – in case you didn't know!

First of all, you may have seen the news about the final CARC going live inadvertently and OPP pulling it from the web.

Here are some links in case you missed it.



Advocates Fault EPA Review Finding Glyphosate Unlikely To Cause Cancer

Environmentalists are faulting an EPA assessment finding the world's most commonly-used herbicide is not likely to cause human cancers, arguing the agency relied on industry studies and unrealistic assumptions, and also appears to lack confidence in its own review, given that EPA posted the document to a public site and then withdrew it days later.

EPA Panel Finds Glyphosate Not Likely to Cause Cancer

Glyphosate, a weed killer developed by Monsanto that is now the most widely used pesticide in the U.S., likely does not cause cancer, according to an EPA report. The report's findings disagree with a 2015 review of glyphosate by the World Health Organization's International Agency for Research on Cancer, which found that the pesticide is a "probable carcinogen."

Greenwire

Report touting glyphosate safety published by mistake -- EPA

U.S. EPA yesterday posted online and then removed a report suggesting glyphosate is unlikely to pose a cancer risk to humans.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Lynn

Lynn Flowers, PhD, DABT

Senior Science Advisor

Office of Science Policy

US EPA

Washington, DC

202-564-6293

To: McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]
From: Wood, Charles
Sent: Wed 11/4/2015 7:52:00 PM
Subject: RE: glyphosate review

Yes, I'll be on the line.

--Charles

From: McQueen, Jacqueline
Sent: Wednesday, November 04, 2015 2:50 PM
To: Wood, Charles <Wood.Charles@epa.gov>
Subject: RE: glyphosate review

Thanks, I think we want to see how the briefing tomorrow goes . Are you planning on calling in?

Jackie

From: Wood, Charles
Sent: Wednesday, November 04, 2015 2:48 PM
To: McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>
Subject: glyphosate review

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: wood.charles@epa.gov

Phone: 919-541-1171

To: McQueen, Jacqueline[McQueen.Jacqueline@epa.gov]
From: Wood, Charles
Sent: Wed 11/4/2015 7:47:34 PM
Subject: glyphosate review

Hi Jackie,

It was nice speaking with you this morning. I am a Research Biologist in the Carcinogenesis Branch of ISTD/NHEERL/ORD. My scientific background is in comparative pathology and cancer biology. I am currently the only board-certified veterinary pathologist at EPA. Since 2012, I have served as the in-house pathologist for the EPA Cancer Assessment Review Committee (CARC) and as an ad-hoc advisor for the Toxicology Science Advisory Council in the EPA Office of Pesticide Programs.

Ex. 5 - Deliberative Process

Let me know if you need additional information.

--Charles

Charles E. Wood, DVM, PhD, DACVP

Office of Research and Development

US Environmental Protection Agency

Email: wood.charles@epa.gov

Phone: 919-541-1171

To: Bahadori, Tina[Bahadori.Tina@epa.gov]; Lobdell, Danelle[Lobdell.Danelle@epa.gov]
Cc: Tietge, Joe[Tietge.Joe@epa.gov]; Wade, Tim[Wade.Tim@epa.gov]; Cascio, Wayne[Cascio.Wayne@epa.gov]
From: Wood, Charles
Sent: Wed 11/4/2015 6:39:57 PM
Subject: RE: quick question

Hi Tina,

Along with Danelle, I participated in the OPP Cancer Assessment Review Committee (CARC) review of glyphosate. (I have served as the CARC pathologist for several years.) My focus was the animal data. I spoke with Jackie this morning and plan to be on the call with Tom Burke tomorrow. Let me know if you need more information.

--Charles

From: Bahadori, Tina
Sent: Wednesday, November 04, 2015 12:22 PM
To: Lobdell, Danelle <Lobdell.Danelle@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>
Cc: Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>
Subject: RE: quick question

Ex. 5 - Deliberative Process

Thanks for getting back to me so quickly.

Tina

From: Lobdell, Danelle

Sent: Wednesday, November 04, 2015 12:13 PM

To: Bahadori, Tina <Bahadori.Tina@epa.gov>; Wood, Charles <Wood.Charles@epa.gov>

Cc: Tietge, Joe <Tietge.Joe@epa.gov>; Wade, Tim <Wade.Tim@epa.gov>; Cascio, Wayne <Cascio.Wayne@epa.gov>

Subject: RE: quick question

Hi Tina,

I was involved with reviewing the epi literature for the cancer assessment. I was not involved with the overall risk assessment.

Danelle

Danelle T. Lobdell, Ph.D., M.S.

Epidemiologist

National Health and Environmental Effects Research Laboratory

Environmental Public Health Division

Mail:

USEPA

MD 58A

Research Triangle Park, NC 27711

Package Delivery:

USEPA Human Studies Facility

104 Mason Farm Rd, Room 52

Chapel Hill, NC 27514-4512

Phone: 919-843-4434 Fax: 919-966-7584

From: Bahadori, Tina
Sent: Wednesday, November 04, 2015 12:11 PM
To: Wood, Charles <Wood.Charles@epa.gov>; Lobdell, Danelle <Lobdell.Danelle@epa.gov>
Cc: Tietge, Joe <Tietge.Joe@epa.gov>
Subject: quick question

Hello Charles and Danelle,

Others may have asked but I am away at SETAC and a little time lagged. Were you two involved with OPP's glyphosate risk and cancer assessments? If so, to what extent.

Thanks so much,

Tina

Tina Bahadori, Sc.D.

National Program Director, Chemical Safety for Sustainability (ORD/EPA)

DC RRB-41282; 1200 Pennsylvania Avenue, NW, RRB:MC 8101R, Washington, DC 20460

phone: 202.564.0428; mobile: 202.680.8771; Email: Bahadori.Tina@epa.gov

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Thur 9/24/2015 9:17:24 PM
Subject: CARC edits
Glyphosate CARC Final 9.21.15 cw2.docx

Hi Jess,

Ex. 5 - Deliberative Process

--Charles

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Wed 5/20/2015 8:14:08 PM
Subject: RE: Glyphosate

Hi Jess,

Yes, June 17 works fine.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 20, 2015 4:07 PM
To: Wood, Charles
Subject: RE: Glyphosate

Hi Charles

Thanks for this awesome review

will you be back on 17th?. Would really like to have at CARC. If you can I can change the date
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/20/2015 3:44 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I will be in-flight morning of Jun 10 so will not be able to call in to the CARC meeting. Should be an interesting discussion – sorry to miss it. Let me know if you need more follow-up before then.

--Charles

From: Rowland, Jess

Sent: Monday, May 18, 2015 9:23 PM

To: Wood, Charles
Subject: RE: Glyphosate

Charles
No hurry...we have plenty of time
Next week will be fine
JR

Sent from my Windows Phone

From: Wood, Charles
Sent: 5/18/2015 6:33 PM
To: Rowland, Jess
Subject: RE: Glyphosate

Hi Jess,

Sorry for not getting back to you sooner. Still digging out from emails that piled up last week. I will get you something tomorrow afternoon.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 13, 2015 7:16 AM
To: Wood, Charles
Subject: Glyphosate
Importance: High

Hi Charles

Hope u had a nice tripe.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Wed 5/20/2015 7:44:53 PM
Subject: RE: Glyphosate

Hi Jess,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I will be in-flight morning of Jun 10 so will not be able to call in to the CARC meeting. Should be an interesting discussion – sorry to miss it. Let me know if you need more follow-up before then.

--Charles

From: Rowland, Jess
Sent: Monday, May 18, 2015 9:23 PM
To: Wood, Charles
Subject: RE: Glyphosate

Charles
No hurry...we have plenty of time
Next week will be fine
JR

Sent from my Windows Phone

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Sent: 5/18/2015 6:33 PM
To: Rowland, Jess
Subject: RE: Glyphosate

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Sent: Wednesday, May 13, 2015 7:16 AM
To: Wood, Charles
Subject: Glyphosate
Importance: High

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Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Glyphosate – CD-1 Mouse Study

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and

Fisher's Exact Test and Exact Trend Test Results

| | Dose (mg/kg/day) | | | |
|------------------|------------------|---------|---------|---------|
| | 0 | 100 | 300 | 1000 |
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.

To: Rowland, Jess[Rowland.Jess@epa.gov]
From: Wood, Charles
Sent: Mon 5/18/2015 10:33:44 PM
Subject: RE: Glyphosate

Hi Jess,

Sorry for not getting back to you sooner. Still digging out from emails that piled up last week. I will get you something tomorrow afternoon.

--Charles

From: Rowland, Jess
Sent: Wednesday, May 13, 2015 7:16 AM
To: Wood, Charles
Subject: Glyphosate
Importance: High

Hi Charles

Hope u had a nice tripe.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

You will receive the CARC briefing package with all the relevant animal and epi studies on June 10th.

Thanks for your help.

Regards

JR

Jess Rowland,

Deputy Director
Health Effects Division
703-308-2719

Glyphosate – CD-1 Mouse Study

(IRI Project No. 438618, issued 4/7/93)

Male Hemangiosarcoma Tumor Rates⁺ and

Fisher's Exact Test and Exact Trend Test Results

Dose (mg/kg/day)

| | | | | |
|------------------|-----------|---------|---------|---------|
| | 0 | 100 | 300 | 1000 |
| Hemangiosarcomas | 0/47 | 0/46 | 0/50 | 4/45 |
| (%) | (0) | (0) | (0) | (9) |
| P = | 0.00296** | 1.00000 | 1.00000 | 0.05332 |

+Number of tumor bearing animals/Number of animals examined, excluding those that died before week 52.

Note: Significance of trend denoted at control.

Significance of pair-wise comparison with control denoted at dose level.

If *, then $p < 0.05$. If **, then $p < 0.01$.